

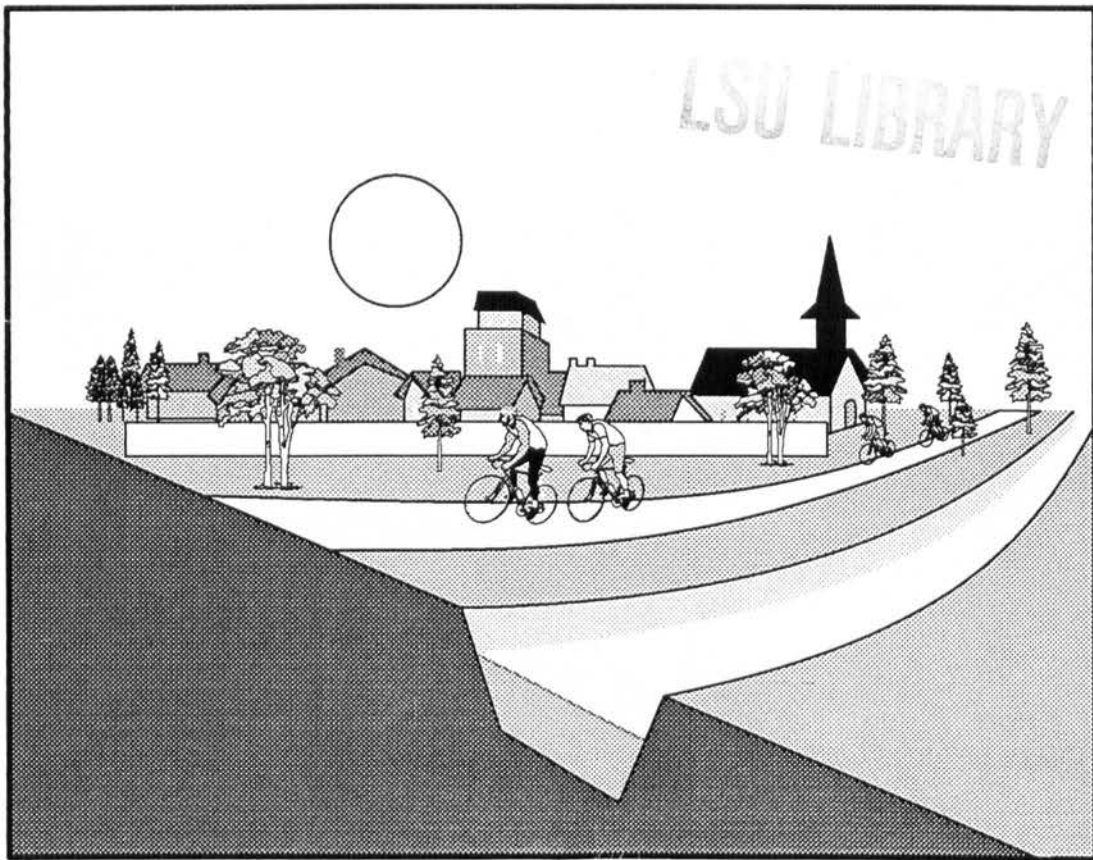
D103.62: Am 5/7/X/V.3



US Army Corps  
of Engineers  
New Orleans District



# Amite River and Tributaries, Louisiana East Baton Rouge Parish Watershed Flood Control Projects



## Feasibility Study

Volume 3 of 4  
Appendices D, E, F, and G  
February 1995

**REVISED  
DRAFT**

If you have any questions or require additional information,  
please contact Mr. Frank Vicidomina, Study Manager, U.S. Army  
Corps of Engineers, New Orleans District, P.O. Box 60267  
New Orleans, LA 70160, telephone number (504) 862-1597.



## **APPENDIX D**

### **HAZARDOUS, TOXIC, AND RADIOACTIVE WASTE SURVEY**

## EXECUTIVE SUMMARY

The East Baton Parish Feasibility Study Hazardous, Toxic, and Radioactive Waste (HTRW) Initial Assessment was conducted to evaluate the existence or the potential for contamination of lands within or affecting the project area. This Initial Assessment was conducted through extensive file search and a three day site visit. Record searches of various local, state, and federal agencies yielded the information, conclusions and recommendations provided in this report. Record searches included areas of HTRW contamination; generator, transporters, and disposers of hazardous wastes; the location of past and present landfills; hazardous spill records; citizens complaint records; ground water assessment/remediation sites; underground storage tank locations; air emission permitted sites; toxic air emission rates; and oil well and pit locations. Discussions with personnel from these agencies were also conducted.

The record search and visual site survey lead team members to identify the most probable locations for HTRW problems within or affecting the project area. Throughout the report, these significant findings are identified with a dagger (†) and a number corresponding to the site listed in Table 19.

Significant findings as a result of this investigation were used to form the Conclusions and Recommendations Section of the report. The investigation revealed that out of the thousands of facilities/sites located within the vicinity of the project, there are 194 locations or sources of potential HTRW that merit further investigation. These sites of concern are summarized in Table 19. These potential concerns lead to testing at 27 locations which are summarized in Table 20. Both the sites of concern and the sampling locations are shown on Plate 3.

Currently, sampling and testing is considered an HTRW Design District function. If, however, authority is provided to the local district for this function, initial sampling and testing as indicated in Table 20 can begin in April of 1995, and be complete by April of 1996. Results of this effort will indicate which of the sampling locations have contamination of the type tested for and at what levels. Further sampling and analysis may then be required at those locations to determine more specifically the type and extent of the contamination.

## TABLE OF CONTENTS

1.0 INTRODUCTION .....	1
2.0 OBJECTIVES OF A HTRW INITIAL ASSESSMENT .....	1
3.0 GEOLOGY AND PROJECT DESCRIPTION .....	2
3.1 Beaver Bayou: .....	5
3.2 Blackwater Bayou .....	5
3.3 Jones Creek .....	5
3.4 Bayou Fountain .....	5
3.5 Wards Creek .....	6
4.0 SCOPE OF INVESTIGATION .....	6
4.1 Agency Consultation .....	6
4.2 Land Use History .....	7
4.3 Visual Site Survey .....	7
4.4 Significant Findings .....	7
4.5 Sensitivity Analysis .....	8
5.0 INVESTIGATION RESULTS .....	8
5.1 Agency Consultation .....	8
5.1.1 EPA Records .....	8
5.1.1.1 CERCLIS Inventory .....	8
5.1.1.2 RCRIS Database .....	14
5.1.2 LDEQ Records .....	14
5.1.2.1 LDEQ Publications .....	14
5.1.2.2 Office of Legal Affairs and Enforcement .....	16
5.1.2.3 Office of Solid and Hazardous Waste .....	27
5.1.2.4 Office of Water Resources .....	135
5.1.2.5 Office of Air Quality and Radiation Protection .....	138
5.1.3 Discussions with East Baton Rouge Parish Personnel .....	161
5.1.4 Louisiana State Police .....	162
5.1.5 Baton Rouge Fire Department Hazardous Material Division .....	167
5.1.6 Louisiana Department of Natural Resources .....	215
5.2 Land Use History .....	226
5.2.1 Aerial Photographs, Maps and Aerial Video .....	226
5.2.2 Deed Search .....	227
5.2.3 Local Interviews .....	227
5.3 Visual Site Survey .....	227
5.3.1 Beaver Bayou and Tributaries .....	227
5.3.2 Blackwater Bayou and Tributaries .....	228
5.3.3 Jones Creek and Tributaries .....	228
5.3.4 Bayou Fountain .....	231
5.3.5 Wards Creek and Tributaries .....	231
6.0 CONCLUSIONS AND RECOMMENDATIONS .....	235
6.1 Sites of Concern .....	236
6.2 Sampling and Analysis Recommendations .....	277
6.3 Sensitivity Analysis .....	281
6.4 Cost Estimates .....	285
7.0 LIMITATIONS .....	286

## LIST OF TABLES

TABLE NUMBER	TITLE	PAGE
1	EPA Superfund Program CERCLIS Inventory . . . . .	10
2	Louisiana Site Remediation Information System (LARIS) . . . . .	25
3	LDEQ Emergency Response Spills . . . . .	30
4	LDEQ Emergency Response Citizen Complaints . . . . .	60
5	40 CFR -261 Hazardous Waste Codes . . . . .	82
6	Standard Industrial Codes . . . . .	87
7	RCRA Notifiers . . . . .	89
8	Active Underground Storage Tanks . . . . .	112
9	Ground Water Assessment/Remediation Site List . . . . .	135
10	Compliance Data System . . . . .	139
11	Compliance Data System Enforcement Actions . . . . .	150
12	Toxic Emissions Data Inventory Database . . . . .	153
13	NORM Database . . . . .	159
14	State Police Spill Logs . . . . .	163
15	Baton Rouge Fire Department . . . . .	168
16	LDNR Well Locations and Descriptions . . . . .	216
17	LDNR Pit Data . . . . .	224
18	Number Of Significant Findings By Agency Listing . . . . .	235
19	Sites of Concern . . . . .	237
20	Sampling Locations . . . . .	277
21	Phase II Screening Cost Estimate . . . . .	285

## LIST OF ABBREVIATIONS

---

ACM	Asbestos containing material
ARIM	Authorization Revenue Information Management
AST	Aboveground storage tank
BDL	Below detectable limits
BFB	bromofluorobenzene
BTEX	Benzene, Toluene, Ethylbenzene and Xylene
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CERCLIS	Comprehensive Environmental Response Compensation and Liability Information Service
CMP	Corrugated metal pipe
DOTD	Department of Transportation and Development
EPA	Environmental Protection Agency
FPH	Free phase hydrocarbons
HRS	Hazard Ranking System
HTW	Hazardous and Toxic Waste
HTRW	Hazardous, Toxic and Radioactive Waste
IA	Initial Assessment
LARIS	Louisiana Site Remediation Information System
LDEQ	Louisiana Department of Environmental Quality
LDNR	Louisiana Department of Natural Resources
LPH	liquid phase hydrocarbons
MDL	Method Detection Limit
MW	Monitoring Well
ND	not detected
NED	National Economic Development
NFAS	No Further Action by the state
NFRAP	No further remedial action planned
NGVD	National Geodetic Vertical Datum
NOD	New Orleans District
NORM	Naturally Occurring Radioactive Material
NOV	Notice of Violation
NPL	National Priority List
NRC	Nuclear Regulatory Commission
PA	Preliminary Assessment
PII	Primary Identification and Information
ppb	parts per billion
ppm	parts per million
PSH	Phase separated hydrocarbons
RCRA	Resource Conservation and Recovery Act
RCRIS	Resource Conservation and Recovery Information Service
RDD	Release detection device
SCS	Soil Conservation Service
SIC	Standard Industrial Code

TCLP	Toxic Characteristic Leachate Procedure
TOC	Total organic carbon
TOX	Total organic halides
TPH	Total phase hydrocarbons
TPH-D	Total phase hydrocarbons-Diesel
TPH-G	Total phase hydrocarbons-Gasoline
USACE	United States Army Corps of Engineers
USF&WS	United States Fish and Wildlife Service
USGS	United States Geological Survey
UST	Underground storage tank
VOC	Volatile organic compounds

---

## 1.0 INTRODUCTION

This report was prepared in conjunction with the Amite River and Tributaries Flood Control Feasibility Study; East Baton Rouge Parish. The flood control projects consist of clearing and snagging, and earthen and concrete lined channel improvements along numerous bayous and creeks in East Baton Rouge Parish. National Economic Development (NED) Plans have been selected for the following watersheds: Beaver Bayou, Blackwater Bayou, Jones Creek, Bayou Fountain and Wards Creek. The HTRW Initial Assessment was prepared using the selected NED plans or the recommended plan for each watershed.

## 2.0 OBJECTIVES OF A HTRW INITIAL ASSESSMENT

The primary objective of a HTRW initial assessment is to gather and evaluate information regarding the existence or potential for HTRW located in or affecting Corps Civil Works projects. It addresses HTRW contamination or potential for contamination on lands, including structures and submerged lands in the project area, or external HTRW contamination which could impact the project.

Engineering Regulation 1165-2-132, Water Resources Policies and Authorities - Hazardous, Toxic, and Radioactive Waste (HTRW) Guidance for Civil Works Projects dated June 26, 1992 was used as a guide for this initial assessment. Prior to issuance of this guidance, The Draft Hazardous and Toxic Waste (HTW) Guidance for Civil Works Projects dated July 25, 1990 was the standard.

The HTRW initial assessment addresses the existence or potential for HTRW contamination on lands, including structures and submerged lands in the study area, or external HTRW contamination which could impact the project. The initial assessment should rely on existing documents, interviews, and observances gathered during the visual site survey.

The following procedures include steps normally taken during a HTRW initial assessment. The area of study normally includes the subject site(s) and surrounding areas which are currently impacting or may potentially impact the subject site(s).

### Agency Review

- Consult the EPA, state and local regulatory or response agencies for permit/license applications and violations, enforcement and/or litigation against property owners, and for general information about local HTRW problems such as illegal dumping, asbestos in buildings and past contamination. In the State of Louisiana, such consultations may include but are not limited to:

- EPA - CERCLIS Inventory listing
- EPA - RCRIS Inventory listing



- LDEQ, Office of Legal Affairs and Enforcement
  - Inactive and Abandoned Sites Division
- LDEQ, Office of Solid and Hazardous Waste
  - Solid Waste Division
  - Hazardous Waste Division, Emergency Response Section
  - Hazardous Waste Division, ARIM Section
  - Underground Storage Tanks Division
- LDEQ, Office of Water Resources
  - Ground Water Protection Division
- LDEQ, Office of Air Quality and Radiation Protection
  - Air Quality Compliance Division
  - Air Quality Regulatory Division
  - Radiation Protection Division
- LDNR
  - State Police - Right to Know
  - Parish or City Fire Departments
  - Parish or City Public Works or Engineering Departments

#### Land Use/History

- Study and compare current and historic aerial photographs (USGS, SCS, commercial, USACE, universities, libraries, historic offices, parish tax maps, etc.)
- Research titles/deed histories.
- Interview long time residents, workers and current property owners about past land uses, potential contamination, and history of HTRW problems.

#### Visual Site Survey

- Conduct visual site survey to determine potential for HTRW.
- Consider visual quality of soil and sediment, groundwater, surface water, rock and vegetation.

### 3.0 GEOLOGY AND PROJECT DESCRIPTION

#### Geology of Amite River Tributaries Study Area.

The study area is located in the east-central and southern one third of East Baton Rouge Parish, Louisiana. Specific areas of concern are the Blackwater Bayou and Beaver Bayou watersheds in the east-central part of the parish and the Jones Creek, Lively Bayou, Wards Creek, Dawson Creek, and Bayou Fountain watersheds in the southern one third of the parish. This is an area of low relief consisting of broad uplands of Pleistocene Prairie Formation except for Bayou Fountain which approximately marks the contact between the Pleistocene upland escarpment and backswamp deposits of the alluvial plain to the southwest. Elevations on the Prairie Formation average +50 to +55 feet and +10 to +20 on the alluvial plain. (All elevations are in National Geodetic Vertical Datum-NGVD)



The Prairie Formation is composed of varying amounts of gray to brown clay, silt, sand, and some gravel reaching a maximum thickness of approximately 400 feet. These deposits dip gently toward the coast. The Prairie Formation may form bluffs above the alluvial plain of 20 to 60 feet. The alluvial plain generally consists of a topstratum of clay and silt with a substratum of silty sand, sand, and some gravel reaching a maximum thickness of approximately 600 feet. Natural levee deposits are found along major rivers and streams and reach a maximum of 25 feet thick adjacent to the Mississippi River.

Loess is found throughout the study area in various thicknesses. Where loess does occur, it consists of brown clay and silt with a thickness of approximately 15 feet or less.

In all the watersheds under consideration, Pleistocene Prairie complex deposits occur as the major constituent between the rivers and streams. This is a subdivision of the Prairie Formation described by Autin and McCulloh as alluvial deposits of ancestral streams. These deposits are comprised of sand and clay. Along the stream valleys Holocene alluvium occurs adjacent to the Prairie Formation deposits. At the southern end of Beaver Bayou, Pleistocene Prairie complex point bar remnants are found between the Prairie Formation and the Holocene alluvium. These point bar remnants are a subunit of the Prairie Formation and are composed of sandy alluvial deposits. The southeast end of Jones Creek has undifferentiated escarpment deposits between the Prairie Formation and the Holocene alluvium. These escarpment deposits occur on the Prairie Formation bluffs and are comprised of colluvium, slope debris, and/or washings from the adjacent Prairie Formation deposits. (See Autin and McCulloh, 1991.)

Bayou Fountain watershed differs slightly in the surface soil types surrounding it due to the fact that it lies at the foot of the Prairie Formation escarpment near the Mississippi River. On the northeast side is the Pleistocene Prairie complex lower surface deposits and undifferentiated escarpment deposits with Holocene alluvium at the confluence between Bayou Fountain and other streams. On the southwest side, Mississippi River backswamp and natural levee occurs. The escarpment deposits may be extensively gullied, and have sheetflow erosion, mass movement of soil materials, and soil piping due to oversteepened slopes (slope > 8%). See Plate 1.

The watershed areas are predominately poorly drained loamy soils with some moderately well drained loamy soils. Some problem soil conditions of the area involve soils of low bearing capacities and sandy subsoils. The low bearing capacity soils have fine grained soil texture with shrink-swell clay minerals and high moisture content causing the soils to be relatively weak. These soils may not uniformly support loading. Sandy subsoils are areas of coarse grained soils of high permeability which are good for construction but poorly suited for waste disposal, sewage lagoons, and septic tank fields. The areas of low bearing capacity soils are fairly frequent and too numerous to mention individually. The only known area of sandy subsoil in the watershed areas is along Beaver Bayou just north of the Denham Springs-Scotlandville fault. The loess deposits found in the study area are susceptible to erosion due to their lack of cohesion. (See Autin and McCulloh, 1991.)

There are numerous aquifers in the subsurface of East Baton Rouge Parish with 10 principal aquifers used in public supply. The aquifers are the alluvial aquifer, the University Sand, the 400 foot sand, the 600 foot sand, 800 foot sand, the 1200 foot sand, the 1500 foot sand, the 2000 foot sand, the 2400 foot sand, and the 2800 foot sand. The alluvial aquifer and the University Sand merge and generally act as one hydrologic unit discharging into the Mississippi River when the river is low and recharging when the river is high. The alluvial aquifer is 50 to 100 feet below the surface and is overlain by clay and silt. The University Sand is approximately 235 to 390 feet below the surface. The 400 and 600 foot sands also merge, and in general behave as a single unit and are recharged by rainfall, infiltration from the north where the sands are believed to outcrop, and indirectly by infiltration from the river. The aquifers consist of sand and gravel units with good permeability. It should be noted that the aquifers may pinch out and may not underlie the entire area.

The Baton Rouge fault occurs in this area as a normal fault trending east to west and dipping steeply to the south. The upthrown side is to the north and the downthrown side is to the south. This fault tends to act as an impermeable barrier to the 8 deepest aquifers. There is some saltwater intrusion into the aquifers especially on the south side of the fault, although some saltwater intrusion is also believed to come from the west. Otherwise, the aquifers do provide fresh water. Movement of the downthrown side of the fault is about 0.02 ft/yr and should continue in the future. There is little subsidence north of the fault, but there is some subsidence immediately south of the fault which decreases with increasing distance south from the fault. Another potential fault zone, the Denham Springs-Scotlandville Fault, has been mapped in previous studies. It is a normal fault trending east to west and dipping steeply toward the south. This fault is not known to be a barrier to water movement in the aquifers. The faults are shown on Plate 1.

Pumping of fresh water from the aquifers in the Industrial District of Baton Rouge has caused some subsidence, but the areas of subsidence are generally outside of the watershed areas. The extreme northwest regions of the Jones Creek and Wards Creek watersheds may reach into some areas experiencing subsidence. Regional subsidence occurs in the area at a rate of about 0.01 ft/yr (Wintz, Kazmann, and Smith, 1970).

The near-surface water table will be lowered in areas adjacent to channel enlargement. The magnitude of this lowering will be governed primarily by the hydraulic conductivity of the soils adjacent to the channel. In addition, as a result of this lowering, the potential for induced or aggravated subsidence will be enhanced. Also, lowering of the water table due to channel enlargement will increase the potential for "spring sapping" (headward erosion) in the loess and other coarser grained materials adjacent to the streams. With time the near-surface water table will reestablish relative to the new bank cut width. The landward migration will equal the cut dimension and any subsidence induced will be minimal.

There is limited subsurface geologic information in the study area. Project-specific borings will be required to provide detailed geologic information at site-specific locations within the study area. Of particular interest is the delineation of loess deposits in the area.

Project Descriptions. The following are descriptions of the NED plans and recommended plans for the watersheds in the project:

3.1 Beaver Bayou: The proposed NED plan for Beaver Bayou consists of widening approximately 15 miles of channel designed to convey a 25 year storm event within stream bank. Improvements on the main stem of Beaver Bayou are proposed from Frenchtown Road, where recent improvements are in place from this point to the mouth of the bayou, upstream to Hubbs Road. No work is planned for Beaver Bayou's two tributaries. The proposed channel design is earthen with 3.5:1 bank slopes. In order to control erosion, it is proposed that the entire channel section be protected with a geosynthetic mat. Design bottom widths vary for each reach. Concrete lining of the channel section is proposed for a small stretch of Beaver Bayou between Hooper and Devall Roads. Three bridge improvements and other utility relocations are also proposed.

3.2 Blackwater Bayou: The proposed NED plan for Blackwater Bayou consists of widening approximately 17 miles of channel designed to convey a 10 year storm event within stream bank. Improvements on the main stem of Blackwater Bayou are proposed from its mouth upstream to Greenwell Springs Road. Also included are proposed improvements to one of the bayou's main tributaries, Blackwater Bayou Tributary No. 1. Proposed widening of Tributary No. 1 begins with its confluence with Blackwater Bayou upstream to McCullough Road. The proposed channel design is earthen with 3.5:1 bank slopes. In order to control erosion, it is proposed that the entire channel section be protected with a geosynthetic mat. Design bottom widths vary for each reach. Eight bridge and two culvert crossing improvements are proposed as well as utility relocations.

3.3 Jones Creek: The proposed NED plan for Jones Creek consists of clearing and/or widening approximately 25 miles of channel designed to convey in excess of a 10 year storm event within stream bank. Improvements on the main stem of Jones Creek are proposed from its mouth upstream to Lobdell Road. Also included are improvements to this creek's three main tributaries as well as one sub-tributary. The tributaries and sub-tributaries of Jones Creek are Weiner Creek, Lively Bayou and Lively Bayou tributary. Proposed improvements to Weiner Creek begin at its confluence with Jones Creek upstream to Cedar Crest Avenue. Proposed improvements to Lively Bayou begin at its Jones Creek confluence upstream to its crossing with the Illinois Central Railroad. Proposed improvements to the Lively Bayou Tributary begin at its confluence with Lively Bayou upstream to Tams Drive. The proposed channel design calls for a five foot bottom width with 3:1 sloped banks. Both the channel bottom and banks are to be lined with concrete. This design remains constant for all of the above listed channel reaches with the exception of the most downstream segment of Jones Creek, only channel clearing and snagging is proposed. No roadway or utility relocations are required for this plan.

3.4 Bayou Fountain: The proposed NED plan for Bayou Fountain consists of clearing and/or widening approximately 11 miles of channel designed to convey a 10 year storm event within stream bank. Improvements are proposed from the bayou's mouth upstream to Ben

Hur Road. The proposed channel design calls for clearing and snagging for the entire reach with the exception of a 2.9 mile section between Siegen and Gardere Lanes. In this reach, a channel widening is proposed and consists of a 50 foot wide bottom with 3:1 sloped banks. This section remains earthen with a geosynthetic mat bank cover only in spot locations where sandy soils are uncovered. It is proposed that improvements be made to one major obstruction, a 60-inch sewer main crossing located at Mile 53.8. The proposed design calls for the construction of a concrete "U-channel" with a 50-foot bottom width. Other utility relocations are also required.

**3.5 Wards Creek:** The NED plan for Wards Creek and tributaries consists of minimal clearing and snagging of the main stem from the mouth to just above Corporate Blvd., not including the newly enlarged and relocated section between Pecue and Siegen Lanes. Improvements are included along two of the tributaries to Wards Creek, Dawson Creek and North Branch Ward Creek. No work is planned for the Bayou Duplantier tributary to Wards Creek. Minimal clearing and snagging of Dawson Creek from the mouth to its confluence with Bayou Duplantier just above Kenilworth Blvd. North Branch Wards Creek improvements consist of concrete lining from immediately downstream of I-10 to immediately downstream of I-12 with a design channel section consisting of a 32 foot bottom and 3:1 side slopes. The existing concrete lined section in this area is to remain.

The recommended plan for the Wards Creek watershed consists of minimal clearing and snagging of the main stem from the mouth to just above Corporate Blvd., not including the newly enlarged and relocated section between Pecue and Siegen Lanes (same as NED plan). Minimal clearing and snagging of Dawson Creek from the mouth to its confluence with Bayou Duplantier just above Kenilworth Blvd (same as NED plan). Concrete lining of North Branch Wards Creek is to begin immediately downstream of I-10 to 1,800 feet upstream of Old Hammond Hwy with a design channel section of 32 foot bottom width and 3:1 side slopes. The existing concrete lining between I-10 and I-12 will remain. As in the NED plan, no work is planned for Bayou Duplantier.

#### 4.0 SCOPE OF INVESTIGATION

The East Baton Rouge Parish Feasibility Study HTRW Initial Assessment included the following:

**4.1 Agency Consultation.** Officials of the agencies or departments listed below were consulted to obtain information on local HTRW problems and history of past contamination. Analysis and identification of potential impacts were investigated. The location of known or suspected HTRW was considered in evaluating the potential for HTRW contamination within or near the project area. Numerous visits to Baton Rouge to review hard copy records maintained by local, state and federal agencies were conducted as part of the investigation. The agency consultation assessment team consisted of two hydraulic engineers from the New Orleans District Corps of Engineers, Engineering Division, Hydraulics and Hydrologic



Branch, Hydra-Modeling Section. Tables included in this report were obtained from these various agencies. In many tables there are omissions of data, however, these tables are presented in the report as received by the agency.

East Baton Rouge Parish Engineering Department  
East Baton Rouge Parish Fire Department  
Louisiana Department of Environmental Quality (LDEQ)  
Louisiana Department of Natural Resources (LDNR)  
Louisiana State Police  
United States Environmental Protection Agency (EPA)  
United States Geological Survey (USGS)  
United States Army Corps of Engineers (USACE)  
United States Fish and Wildlife Service (USF&WS)

**4.2 Land Use History.** The historic land use within the project area was analyzed to determine potential for HTRW within and near the project area. Current and historic aerial photographs were reviewed to assist in identifying contaminated sites and/or structures, as well as aiding in evaluation of land use history. An aerial video was taped to allow visualization of areas which were not accessible from the ground. Local interviews in the area were not conducted. Because of the size of the project area, a deed history was not conducted as part of the investigation.

**4.3 Visual Site Survey.** A three day visual site survey was conducted by a USACE New Orleans District site assessment team on February 5-7, 1993, to determine the potential for HTRW. Hydraulics and Hydrologic Branch and Foundations and Material Branch, both of Engineering Division, New Orleans District Corp of Engineers, were represented during the three day site survey. The site assessment team consisted of: two hydraulic engineers, one geotechnical engineer and one geologist. The site survey included accessible areas of each of the waterways included in the Feasibility Study. Soil, sediment, bedrock, groundwater, surface water, air and dust were considered during the visual site survey. Features indicative of HTRW contamination were evaluated and noted.

No sampling was conducted during this initial assessment investigation. The assessment is based on information available to the public from regulatory and non-regulatory agencies, commercial sources, historic documents, and from personal observations by USACE New Orleans District staff.

**4.4 Significant Findings.** Throughout this report any information which is deemed significant in identifying HTRW or the potential for HTRW within the vicinity of the project is marked with a dagger (†). These sites, incidences, or problems are considered to be probable sources of possible contamination and their impacts are discussed in detail in the Conclusions and Recommendations section. This process does not eliminate the possible contamination by other sites or incidences but is intended to be used as a tool to identify the most probable areas as well as probable sources of contamination. In the case of ground

water contamination, identification of sites leading to recommendations of project areas to be tested were minimal. This is because the spread and extent of the contamination may not be known or may be hard to trace to a source.

**4.5 Sensitivity Analysis.** In the conclusions and recommendations portion of the report, Sites of Concern and Sampling and Testing Locations are identified. Each Site of Concern is assigned a Level of Concern of "low," "medium," or "high" based its probability of causing contamination within the project boundaries. The Level of Concern is a judgement which reflects the distance of the site from the project, the contamination pathway, and the type of contaminants involved. The impact on the project if contamination is found due to any of these sites is then evaluated in the Sensitivity Analysis. Factors such as the probable location of the contamination, the type of contamination, the relative potential costs of remediation (though considered a local sponsor cost), and construction alternatives are considered.

## 5.0 INVESTIGATION RESULTS

**5.1 Agency Consultation.** Federal, state and local regulatory and non-regulatory agencies were consulted during the initial assessment. The following is the information gathered.

**5.1.1 EPA Records.** Team members conducted interviews and researched listings provided by EPA personnel. Two major listings, the CERCLIS Inventory and the RCRIS Inventory were reviewed.

**5.1.1.1 CERCLIS Inventory.** The CERCLIS inventory is a database used by the EPA to track past activities under the Superfund Program. The identification of a site on the CERCLIS inventory does not necessarily indicate illegal activity or confirm that an actual health or environmental threat exists. In addition, the absence of a site on the inventory does not necessarily mean it is contaminant-free.

The National Priority List (NPL) is EPA's list of uncontrolled or abandoned hazardous waste sites identified for possible long-term remediation action under Superfund. The Hazard Ranking System (HRS) is the chief method EPA uses to rank the potential risks posed by different sites.

EPA identifies abandoned or uncontrolled hazardous waste sites through a variety of methods, including reviewing records and information provided by states, handlers of hazardous substances or concerned citizens. Information is incorporated into the CERCLIS, a national computerized data base that contains information on potential hazardous waste sites as well as information of Superfund removal, remedial, and enforcement activities.

Once identified, EPA or the state conducts a Preliminary Assessment (PA) to decide if the site may pose a potential hazard. If a PA shows the site does not present a potential hazard, no further action may be taken. If the PA shows that a contamination problem exists, EPA then performs a more extensive study called the site inspection.

The HRS is a scoring system that evaluates the potential relative risks to human health and the environment posed by different sites. It doesn't determine if cleanup is needed, but rather it allows EPA to compare the potential risks presented by different sites. Preliminary assessments, site investigations, and other information are used to develop three HRS scores. The first measures the possibility of harm to humans or the environment from hazardous substances leaving the site through ground water, surface water or air. This score is used to place sites on the NPL. The second score measures the possibility of harm to people coming in contact with the hazardous substances. The third score measures the possibility of harm from fires or explosions caused by the hazardous substances. The first score generally is called "the HRS score", a score of 28.50 is the cutoff limit for placement on the NPL. This cutoff score was selected to satisfy a minimum number of sites which were originally included on the NPL. Since this time, EPA has continued to include all sites with scores of 28.50 or higher. The cutoff was selected to meet legal requirements and does not reflect a decision that sites scoring below the cutoff do not present some risk.

For sites to be included on the NPL, a site must have an HRS score of 28.50 or more, and the state must have chosen the site as its top priority site, or it must meet all three of the following criteria: the United States Department of Health and Hospitals Services has issued a health advisory recommending that people be removed from site to avoid exposure; EPA determines that the site represents a significant threat; EPA determines that remedial action is more cost effective than removal action. The NPL serves to notify the public of sites that EPA decides may represent a long-term health threat to public health or the environment and thus may need remedial action. The NPL is one tool EPA uses to help set priorities for cleanup of remedial sites.

Consultation with the EPA yielded a copy of the Superfund CERCLIS Inventory dated December 17, 1992 and a computer-generated map showing the CERCLIS database sites with known latitudes and longitudes. Available files on each site kept by LDEQ's Inactive and Abandoned Sites Division were also reviewed to determine the possible problem at each site. The LDEQ data is contained in Section 5.1.3.3.

Sites which may have the potential for releasing hazardous substances into the environment are added to the CERCLIS inventory. EPA may obtain this information from property owners, citizen complaints, state and local government identification or as the result of other EPA investigations.

The sites on the inventory fall into one of five categories:

- (1) "Lower Priority" falls into the first group of sites which may be potentially hazardous and require preliminary investigation. If the investigation yields possible evidence of contamination, the site is assigned this status if it is considered low priority.
- (2) "Higher Priority" falls into this same group of sites which may be potentially hazardous and require preliminary investigation. If the investigation yields possible

evidence of contamination, the site is assigned this status if it is considered high priority.

(3) "No further remedial action planned", includes sites which have been investigated and no further investigation or remedial action is planned under the Federal Superfund Program. Sites which receive a score greater than 28.5 on the HRS are retained by EPA and placed on the NPL. Sites which do not receive a score greater than 28.5 are referred to the state regulatory agency and may still require remedial action. LDEQ will recommend NFAS for four reasons: a) No HTRW is found, b) the site falls under another regulatory agency's jurisdiction, c) the remedial action is complete, or d) the site is non-existent.

(4) "Deferred to RCRA or NRC" includes sites which are currently operational and therefore are not covered under the Superfund Program.

(5) NPL (National Priorities List), final and proposed sites. This group of sites has been investigated and EPA has determined that contaminants have been released to the environment.

Once a site is included on the CERCLIS inventory it is never removed even though it is designated as NFRAP under the Superfund program. Therefore one should not misinterpret the meaning of a site being contained in the CERCLIS inventory. Listing of a site on the CERCLIS inventory does not necessarily mean it is contaminated and the absence of a site on the inventory does not necessarily mean it is contaminant-free.

The following is a listing of all sites in East Baton Rouge Parish which were included on the CERCLIS Inventory. The status of each is listed. Also noted is whether or not LDEQ's Office of Legal Affairs and Enforcement, Inactive and Abandoned Sites Division fileroom has maintained a file on the site. If LDEQ has a file, it is summarized in Section 5.1.2.2. If the file was not available at LDEQ, the Preliminary Assessment/Site Investigation (PA/SI) Report was requested from EPA Region 6. Any information obtained from EPA follows Table 1.

TABLE 1  
EPA SUPERFUND PROGRAM CERCLIS INVENTORY

LA ID #	SITE NAME	STATUS	IDEQ FILE	
	LAD000802868	Allied Chemical Corp Baton Rouge South Wk	Deferred to RCRA or NRC	Yes
†D9	LAD096947411	Allied Chem Corp Fibers & Plastics Co	Deferred to RCRA or NRC	Yes
†D2	LAD008188583	American Hoechst Corp.	Deferred to RCRA or NRC	Yes
†6	LAD985170422	Baton Rouge Fairgrounds	Lower Priority	Yes
	LAD985171503	Baton Rouge Gas Works	Unknown	No
†D1	LAD985202456	Bayou Baton Rouge	Lower Priority	Yes
	LAD000209700	Browning-Ferris Ind - Siegen Lane	Higher Priority	Yes
	LAD000209718	Browning-Ferris Industries	No Further Remdl Act Plnd	Yes
	LAD000607325	Browning-Ferris Industries	No Further Remdl Act Plnd	No



TABLE 1 (CONTINUED)  
EPA SUPERFUND PROGRAM CERCLIS INVENTORY

LA ID # FILE	SITE NAME	STATUS	LDEQ
	LAD980873640 Capitol High School	No Further Remdl Act Plnd	Yes
	LAD980869440 Capitol Lake	Higher Priority	Yes
	LAD008182990 Copolymer Rubber & Chemical Corporation	Deferred to RCRA or NRC	Yes
†D5	LAD985202464 Devil's Swamp Lake	Higher Priority	Yes
†D6	LAD980622526 Devil's Swamp Sanitary Landfill	Lower Priority	No
	LAD079460895 Ethyl Corporation-Baton Rouge Plant	Higher Priority	Yes
†D4	LAD981155872 Ewell Property-Devil's Swamp	Lower Priority	Yes
	LAD062662887 Exxon Co USA Baton Rouge Refinery	No Further Remdl Act Plnd	No
†D7	LAD000757237 Exxon Co USA Maryland Tank Farm	Higher Priority	Yes
	LAD041224932 Formosa Plastics Corp	Higher Priority	Yes
	LAD092104389 Grant Chemical	Deferred to RCRA or NRC	No
	LAD008161143 Ideal Basic Industries Baton Rouge Plant	No Further Remdl Act Plnd	Yes
	LAD008187692 Kaiser Aluminum & Chemical	Deferred to RCRA or NRC	Yes
	LAD008152589 Lens-Wicks Co Inc	No Further Remdl Act Plnd	Yes
	LAD004824173 Pearce & LeBlanc Landfill	No Further Remdl Act Plnd	Yes
†D10	LAD057482713 Petro-Processors of Louisiana, Inc	Higher Priority - NPL	Yes
	LAD055018717 Port Allen River Plant	Unknown	No
†D12	LAD010395127 Rollins Environmental Services of La Inc	No Further Remdl Act Plnd	Yes
†6	LAD020859724 Sanfil Land Reclmntn1	No Further Remdl Act Plnd	No
†D13	LAD008184137 Schuylkill Metals Crop	Higher Priority	Yes
	LAD008161234 Stauffer Chemical Co	Lower Priority	Yes
†D27	LAD020877262 U S Steel Corp., USS Chemicals	No Further Remdl Act Plnd	No
†D14	LAD010383529 Union Tank Car Company	Deferred to RCRA or NRC	No
	LAD980864813 Vacuum Industrial Pollution	No Further Remdl Act Plnd	No
†46	LAD985170273 Valley Park School	Lower Priority	Yes

Information obtained from EPA Region 6 Preliminary Assessment/Site Investigation Reports:

Baton Rouge Gas Works (LAD985171503). The site is listed on the CERCLIS with an unknown address, Baton Rouge, LA 70801. Only a Potential Hazardous Waste Site Identification report was provided, dated May 15, 1990. The report listed the location as unknown, type of ownership as municipal described as town gas and by-product facility. The summary of potential or known problem is listed as possible ground water and surface water contamination. Since the location of the site is unknown, it is not possible to evaluate the site with respect to possible HTRW contamination.

Browning-Ferris Industries (LAD000209718). The address of the site is 7850 Plank Rd, Baton Rouge, LA 70811. The site is used for truck storage and as a maintenance garage. The site is approximately 2 acres. The Potential Hazardous Waste Site Final Strategy

Determination states that no action is needed. The rationale for this decision is that no hazardous waste is transported at the site. Commercial and household garbage is disposed of at Devil's Swamp Landfill.

†<sup>D6</sup> Devil's Swamp Landfill (LAD980622526). The address is Thomas Road, Baton Rouge, LA 70816. The site is a city-parish sanitary landfill consisting of 253 acres levied on the west side for flood protection. A Potential Hazardous Waste Site Identification and Preliminary Assessment dated November 29, 1979 indicated that Allied, Stauffer, Shell and Exxon have disposed of chemicals and organics at the site in the past and a Site Inspection was required. A Site Inspection Report was prepared on January 29, 1980. Landfill records indicated that PVC powders and compounds, lead, barium sulfate and carbon black were hauled into the landfill. A Preliminary Assessment dated June, 1981 indicated that Stauffer Chemical Company was disposing of hydrogen sulfate from oil refining into the landfill. Waste categories also identified were acids, metals, asbestos, and contaminated soil from furnace ash. The site is not in the project area. It is in the drainage area which drains into the Mississippi River. However, the disposal area for excavation material is located at this landfill.

Exxon Co USA Baton Rouge Refinery (LAD062662887). The address of the site is 4045 Scenic Hwy, Baton Rouge, LA 70805. A Preliminary Assessment of the site in November, 1979 indicated that the site was a 9 acre site used as a solid waste landfill. The site is about 100 feet deep in trash; old used drums are on the site but Exxon says that no chemicals are used there. Acids, organics, and dioxon (TCDD) were reported to be dumped at the location. A Site Inspection Report dated February 1980 indicated that asbestos and tetraethyl lead-sludge was on site. Several of the areas are inactive, landfills are well covered, marked and have some vegetation. The site is not in the project area, it is in the drainage area which drains into the Mississippi River.

Grant Chemical (LAD092104389). Site is located at Hwy 61 and Irene Rd. The site is a manufacturer of suctom blended catalysts and disproportioned resin soaps, potassium and sodium. In July, 1980 it was reported on a Potential Hazardous Waste Site Identification Report that effluent from the site discharges across private property, not through controlled outfall/discharge conditions. The site handled waste types D009 and U108 from 1969 to 1977. A Site Inspection Report dated May 8, 1981 indicated that the site consisted of 3 storage tanks, NPDES treatment train, 3 liquid incinerators, drum storage and 2 inactive landfills. Wastes indicated were: non-halogenated solvents, caustics, 1,4 dioxane, mercuric sulfate, 1,3 dioxolane, and benzene. A Final Strategy Determination dated April 8, 1981 indicated that no action was needed at the site. The site is not in the project area, it is in the drainage area which drains into the Mississippi River.

Port Allen River Plant (LAD055018717). The location listed is River Rd 3, miles south of LSU, Baton Rouge, LA 70808. A Potential Hazardous Waste Site Identification Report dated September 6, 1990 indicates that the site is used as a barge cleaning facility and for

storage of hazardous waste. The potential problem is that operations result in the generation and burning/blending of hazardous waste. This site is located outside of the project area.

†<sup>6</sup> Sanfil Land Reclamation (LAD055018717). The location of the site is 17732 Airline Hwy, Baton Rouge, LA 70816. The site name is also listed as Greater Baton Rouge State Fair Ground. A Preliminary Assessment was completed for the site on November 29, 1979. The assessment described the site as a sanitary landfill 17 acres large with a meandering creek on south side (Old Wards Creek). Site activities were described as a city dump that probably had some chemical waste dumped at different times. The site was noted as being a potential hazard for contamination of surface water. A Site Inspection Report was completed on February 19, 1980 which indicated that the site received only municipal and construction trash. Erosion of the cover material was evident and odors were noted. It was also noted that the State Fair was held annually on an adjacent property (This property is also listed under CERCLIS as the Baton Rouge State Fair Grounds). An exposed drum labelled "Methyl chloride" was noted during the Site Inspection. This site borders a section of Old Wards Creek near the confluence with Bayou Manchac. It appears that project work would not directly be effected by this site, but contamination from this site could have migrated to within the project location.

†<sup>D14</sup> Union Tank Car Company (LAD010383529). Site is located on Brooklawn Drive in Baton Rouge, LA 70807. Site is used for rail tank car cleaning, repair, and degassing operations. Waste indicated on site were: organic sludge accumulations on bottom of impoundments, alcohols, methanols, acids, caustics, phenols. Tanks are purged to the atmosphere; degassing operations in past caused a methyl mercaptan release to the air which caused illness parish wide. Possible contamination of ground water was indicated as a result of leachate from biological system with no liner. Soil contamination was noticeable in cleaning yard from wash water and product spillage. It was also noted that some storm drains bypass biological treatment and appear to be contaminated. The drum storage inspection indicated that there were no labels on the approximately 60 drum stored on site. Evidence of leaking and spillage was also noted. The site is in the drainage area which drains into the Mississippi River and is in the vicinity of the disposal area located at the parish landfill (Devil's Swamp Landfill).

†<sup>D27</sup> U S Steel Corp., USS Chemicals (LAD020877262). Site address is 12537 Scenic Hwy, Baton Rouge, LA 70807. USS Chemicals manufactured ABS plastics and a commercial latex until 1983. In December, 1983 sludge samples were collected under LDNR supervision and were analyzed for volatile organic compounds. The results of chemical analysis revealed only trace amounts of ethylbenzene, toluene and xylene. A Preliminary Assessment was completed on June 4, 1981 indicating that solvents, polymers and plant trash was burned at this landfill. No hazardous wastes are still on site according to company officials. A Site Inspection Report was completed in 1984 for the site. The waste substances of greatest concern were: ethylbenzene, toluene, and xylene. A Final Strategy Determination dated March 21, 1985 indicated no action needed. The site is not in the

drainage area which drains into the Mississippi River and is in the vicinity of the disposal area located at the parish landfill (Devil's Swamp Landfill).

Vacuum Industrial Pollution (LAD980864813). The address on the CERCLIS listing is given as 6638 Pecue Lane, Baton Rouge, LA 70816. A Preliminary Assessment dated October 19, 1982 indicated that the site location is 4230 Jeffrey Drive, Baton Rouge, LA 70816. The site consists of a gravel parking lot, a steel storage building, and a concrete drive up to the building on approximately 2 acres. The site was a storage and maintenance facility for the company. The company left the site around 1980. No waste was hauled to the site. The exteriors of trucks were washed at the site. A Final Strategy Determination was prepared on November 2, 1982 indicating that no hazardous wastes of any kind known to presently exist at this site, therefore no action is needed. This site is within the vicinity of the project.

5.1.1.2 RCRIS Database. The Resource Conservation and Recovery Information Service (RCRIS) is a database used by the U.S. EPA to track active facilities which treat, store or dispose of hazardous wastes. A Region 6 Implementer RCRIS listing was obtained from EPA. LDEQ's Hazardous Waste Division maintains records corresponding to EPA's RCRA records. The RCRIS data files reviewed are provided in section 5.1.2.4.

5.1.2 LDEQ Records. Team members conducted interviews with LDEQ personnel and researched publications, records, listings and files. Personnel from the following offices of LDEQ were interviewed and/or records were reviewed.

Office of Legal Affairs and Enforcement, Inactive and Abandoned Sites Division.  
Office of Solid and Hazardous Waste, Solid Waste Division.  
Office of Solid and Hazardous Waste, Hazardous Waste Division, Emergency Response Section.  
Office of Solid and Hazardous Waste, Hazardous Waste Division, ARIM Section  
Technical Services.  
Office of Solid and Hazardous Waste, Underground Storage Tank Division,  
Enforcement Division.  
Office of Water Resources, Ground Water Protection Division, Surveillance Section.  
Office of Air Quality and Radiation Protection, Air Quality Compliance Division,  
Enforcement Section.  
Office of Air Quality and Radiation Protection, Air Quality Compliance Division,  
Permits Section.  
Office of Air Quality and Radiation Protection, Radiation Protection Division,  
Inspection and Enforcement.

5.1.2.1 LDEQ Publications. LDEQ's Water Quality Management Plan, Water Quality Inventory for 1990 includes surface water assessments within the State of Louisiana. Two surface water bodies in East Baton Rouge Parish are listed as public health/aquatic life concerns. The two water bodies, Devil's Swamp Lake and Capitol Lake, were assessed



because of toxics-related concerns. Capitol Lake is not within the drainage area of the project and, therefore, is not of major concern for this investigation. Devil's Swamp Lake, however, is within the vicinity of one of the proposed disposal areas. A brief description of the concerns follow.

†<sup>DS</sup> Devil's Swamp Lake is a cypress swamp northwest of Baton Rouge adjacent to the Mississippi River. It receives discharges and stormwater runoff from a hazardous waste facility and industrial facilities. Baton Rouge Bayou drains through the Lake.

Sediment sampling was conducted for the lake and various tributary channels in 1980, 1985 and 1986. Analytical results indicated the presence of several man-made organic compounds at low levels. In 1985 and 1986, PCBs were also detected in samples collected in the northeastern end of the lake and in samples collected from an effluent channel which flows into the lake from a nearby active hazardous waste disposal facility. Concentrations of hexachlorobenzene (HCB) and hexachloro-1,3-butadiene (HCBd) were found at levels considered potentially health threatening from the standpoint of long-term chronic exposure.

A major portion of Devil's Swamp north of the lake had previously been posted by the LDEQ Inactive and Abandoned Hazardous Wastes Sites Division advising the public of chemical contamination associated with the abandoned Petro Processors hazardous waste disposal facility. The site was determined to be the source of the toxic hydrocarbons, HCB and HCBd, found in the fish tissue samples. A cleanup plan has been established for the Petro-Processors site under a settlement agreement between the EPA, the state and several industries which were identified as having disposed of waste at the site.

Capitol Lake is a small man-made lake located in downtown Baton Rouge adjacent to the State Capitol and the governors mansion. It drains an urban area consisting of residential and commercial/industrial land use. The outlet for the lake is a pumping station which discharges to the Mississippi River during storm events.

Capitol Lake has a history of pollution problems, such as oil contamination and nutrient enrichment which are documented as early as 1972. In 1983, a LDEQ Water Pollution Control Division (WPCD) investigation revealed an oily wastewater discharge into a canal from a Westinghouse Electric Corporation. The discharge was from a spill around a large storage tank. An underground storage tank was also found to be leaking. Samples revealed PCBs were present in the runoff and in the canal water.

Water and sediment samples were collected from various locations within the lake and were analyzed for PCBs. This analysis indicated that PCBs had entered the lake from more than one source. Three government properties where transformers, electric motors, and heavy equipment are stored have been identified as possible nonpoint sources of PCB-containing runoff into the southeastern portion of the lake.

After assessment of lake conditions had been completed, LDEQ analytical results confirmed that Westinghouse was, at least, a major contributor of PCBs to the northern portion of the lake. In January 1986, Westinghouse and the WPCD established the framework and timetable for cleanup and containment of the PCB contamination at the Westinghouse facility.

The removal of PCB-contaminated sediment from Capitol Lake has been considered, but the cleanup process would be expensive. Because the concentration of PCBs in the lake sediment are below the 50 ppm required for designation as a hazardous waste, Capitol Lake does not rank as a high priority under the federal Superfund Program. The data indicate that the contaminated sediments do not pose a direct threat to the public or to area groundwater.

#### 5.1.2.2 Office of Legal Affairs and Enforcement.

Office of Legal Affairs and Enforcement, Inactive and Abandoned Sites Division, CERCLIS fileroom. This fileroom maintains all Superfund CERCLIS Inventory files for the State of Louisiana. Each file contains information on assessments and investigations made by EPA as well as LDEQ. Site contamination and the possibility of migration of contaminants if known are included. All sites within East Baton Parish were reviewed. Inactive and Abandoned Sites Division also maintains a LARIS (Louisiana Site Remediation Information System) listing. In reviewing LDEQ's Inactive and Abandoned Sites files and the Superfund CERCLIS inventory, the following information was obtained on each of the following CERCLIS sites.

Allied Chemical Corp Baton Rouge South Works (LAD000802868). The site is located at Lupine and Ontario Streets near the Mississippi River. The geotechnical investigation for a potential industrial landfill onsite revealed petroleum hydrocarbon contamination. The project was halted. The investigation revealed that the proposed site was underlain by 12 to 20 feet of surficial fill containing abundant concrete and asphaltic rubble, wire, pipe, and other intermixed debris over a fairly homogeneous and relatively impermeable clay to silty clay strata which continued to the maximum depth investigated. The existence of oily and asphaltic substances and chemical and/or petroleum odors within the fill layer, especially at the fill/clay interface was discovered. No PCBs were detected. The preliminary assessment was completed on April 1, 1980 and the site investigation was completed on February 1, 1981. The site has been deferred to RCRA. The site is not in the project area, it is in the drainage area which drains into the Mississippi River.

†<sup>D9</sup> Allied Chem Corp Fibers & Plastics Company (LAD096947411). The site is located at 12875 Scenic Highway near the Mississippi River and is an active facility which manufactures primarily high density polyethylene using the Phillips particle form process. The facility is currently addressed under RCRA as a generator only as the hazardous wastes are no longer treated, stored, or disposed at the facility. Two cooling tower blowdown ponds which had previously been classified as hazardous waste impoundments were addressed in a closure certification plan by the company. LDEQ reviewed the closure procedures and identified the impoundments as officially closed on 10/08/85. The EPA

recommendation for the site dated 03/11/88 was "No Action Needed." The preliminary assessment was completed on April 1, 1980. The site was deferred to RCRA. The site is in the drainage area which drains into the Mississippi River and is in the vicinity of the disposal area located at the parish landfill (Devil's Swamp Landfill).

†<sup>D2</sup> American Hoechst Corp (LAD008188583). The site is located at 11911 Scenic Highway and is referenced in LDEQ's files as the Deltech Tar Remediation Project. The site consists of cleanup and closure of five inactive tar ponds. Testing of soil samples showed trace amounts of tar in some cases, and water samples showed concentrations below or close to applicable standards. Results of this testing show that soil contamination is of a minor nature. The following substances were found during remedial sampling: benzene, 1,1-dichloroethane, ethylbenzene, toluene, styrene, diethylbenzene, methylene chloride, xylene, trichlorofluoromethane, and divinylbenzene. A Final Report dated May 13, 1987 was included in the file. This site was deferred to RCRA. The preliminary assessment was completed on August 1, 1989 and the site investigation was completed on September 1, 1990. The site is in the drainage area which drains into the Mississippi River and is within the vicinity of the disposal area located at the parish landfill (Devil's Swamp Landfill).

†<sup>6</sup> Baton Rouge Fairgrounds (LAD985170422). The site is located at 16000 Airline Highway (US 61) just north of the intersection of US 61 and Bayou Manchac. The Superfund Site Strategy Recommendation dated July 2, 1991 states the following. "LDEQ completed a Preliminary Assessment of the site May 22, 1991. This is an 17.5 acre landfill which operated from 1978 to 1979. A site reconnaissance was conducted and the inspector noted the cap as being in poor condition with an irregular surface and numerous low spots, many of which contained standing water. It was further stated that there were a total of 17 low spots. Several of them contained discolored water, a light shade of brown, and had an odor of garbage with an oily sheen. The vegetation was stressed in these low spots. The site is periodically used for public events. All surface drainage empties into Bayou Manchac. An SSI is recommended to be conducted by LDEQ." The Inspection Report Review dated August, 1991 states that "The revised preliminary assessment indicates that no surface water intakes were detected along the fifteen-mile target distance pathway." and "The description of the geology underlying the site is not very clear, but it appears there is only one well south of the site and thus subject to possible contamination." Review of other contents in LDEQ's file reveal that the site was previously known as Sanfil Reclamation, Inc. and that the landfill received commercial, industrial and residential waste from the Baton Rouge area. No evidence to date indicates that an immediate environmental or health threat exists. The EPA Preliminary Assessment, completed in July, 1991, is approved and the SSI is authorized for preparation. The status of the site is low priority.

Baton Rouge Gas Works (LAD985171503). The location of the site is unknown address, Baton Rouge, LA 70801. No information was available from LDEQ's Inactive and Abandoned Sites Division. Site discovery was June 1, 1990. No status or other information is provided on the CERCLIS. See Section 5.1.1.1.

†<sup>D1</sup> Bayou Baton Rouge (LAD985202456). A section of Bayou Baton Rouge was evaluated to determine if contamination had occurred from industrial areas adjacent to the waterbody. The area investigated borders Petro-Processors (an NPL site) and Schuylkill Metals. During the 1960s and 70s the Petro-Processors site was used as a depository for chlorinated organic solvents and organic wastes from petro-chemical processes and refining. Organic compounds and metals have migrated into Bayou Baton Rouge affecting both surface water and sediment quality off-site. Sampling was conducted for volatile organics, semivolatile organics, metals, pesticides, and PCBs. Groundwater contamination of the shallow alluvial sediments has been identified in the bayou area next to the Petro-Processors site. A preliminary assessment was completed on July 12, 1992 and the status is low priority. The site is in the drainage area which drains into the Mississippi River and is in the vicinity of the disposal area located at the parish landfill (Devil's Swamp Landfill).

Browning-Ferris Ind - Siegen Lane (LAD000209700). The site address is 5757 Siegen Lane and is in the vicinity of the intersection of Siegen Lane and Airline Highway. The location is cited for potential groundwater contamination. A battery of tests was performed including testing for chloride, chemical oxygen demand, total organic carbon, conductance, pH, filterable residue, and volatile organics. A preliminary assessment was completed on November 11, 1979 and a site investigation was completed on June 1, 1981. The priority was changed from low to high priority with the completion of the site investigation. Other LDEQ records review also indicated the potential for contamination. The site is within the project area near Siegen Lane and Airline Highway.

Browning Ferris Industries (LAD000209718). The site address is 7850 Plank Rd, Baton Rouge, LA 70811. No information was available from LDEQ's Inactive and Abandoned Sites Division. A preliminary assessment was completed September 1, 1980 with a status of NFRAP under Superfund. See Section 5.1.1.1.

Browning Ferris Industries (LAD000607325). The site address is listed as 1023 N Lobdell Suite A, Baton Rouge, LA 70806, approximately 0.4 miles north of Florida Blvd. The latitude and longitude of the site is 30° 26' 54", 91° 06' 45". The site was used as an office for BFI, and is currently occupied by the U.S. Army as a recruiting office. A preliminary assessment was completed November 1, 1987 with a status of NFRAP under Superfund. On July 31, 1992, the site was considered to be NFAS for the following reason: Hazardous substances/wastes are not present at the site and/or were never handled at the site. Since the facility was never utilized for hazardous waste treatment, storage or disposal, neither a Notification of Hazardous Waste Activity nor a part A application was filed for this office location. The site is within the project area but was not identified as significant due to the fact that it has never handled hazardous materials.

Capitol High School (LAD980873640). The site is located at 1000 North 23rd Street, Baton Rouge, LA 70802. A preliminary assessment and a site investigation were completed on June 1, 1987 with a status of NFRAP under Superfund. The latitude and longitude of the site is listed as 30° 27' 37" 91° 09' 50". In May 1981 a dioxin spill of approximately 13 to



14 gallons from a ruptured drum occurred. The dioxins were in the range of 0.25 ppb to 0.33 ppb (action level is 1 ppb). The spill area was located northwest of a greenhouse located on the school grounds. In 1985, both the contaminated soil and drum were removed and properly disposed of at a permitted hazardous waste disposal facility. Excavated areas were backfilled, graded, fertilized and covered with straws. The available evidence indicates that no hazardous materials are present at the site. On January 11, 1993 the state recommended that No Further Action be taken in regards to the site at this time. The site is not in the project area, it is in the drainage area which drains into the Mississippi River.

Capitol Lake (LAD980869440). This site is an urban lake near Interstate 10 in downtown Baton Rouge. Suspected contaminants are heavy metals and PCBs. At least fifty potential sources were identified as contributing to the contamination of the lake. Potential sources include Louisiana Oil and Refinery Company, Westinghouse Electric, Inc., Kansas City Southern Railroad, Exxon, State of Louisiana, United States Government Surplus Property Yard, Baton Rouge City Government, and fifty other potential sources. LDEQ Water Pollution Control Division stated that between May 10 and October 13, 1983, Westinghouse did cause or allow the discharge of waste oil contaminated with PCBs to groundwater beneath the site and the drainage canal that flows into Capitol Lake. The preliminary assessment was completed on December 1, 1983 and the site investigation on November 1, 1987. The priority was changed from low to high priority with the completion of the site investigation. The site is not in the project area.

Copolymer Rubber & Chemical Corporation (LAD008182990). The site is located at 5955 Scenic Highway and is an active facility which manufactures styrene-butane and acrylonitrile-butadiene rubber products. Process water is discharged to the Monte Sano Bayou which empties into the Mississippi River. Rubber waste, oily rags, oil filters, oil and styrene, liquid waste and API separation sludge is incinerated onsite. The ash is disposed of offsite in an approved hazardous waste landfill. The preliminary assessment was completed on August 1, 1989 and the site investigation was completed on October 1, 1990. The current status of the site as indicated in LDEQ's files is "No Further Remedial Action Planned" (NFRAP) under Superfund. The site is not in the project area, it is in the drainage area which drains into the Mississippi River.

†<sup>D5</sup> Devil's Swamp Lake (LAD985202464). The site is a man-made elbow shaped lake bordered by the Mississippi River, Baton Rouge Harbor and Petro-Processors to the north. Sediment samples taken in the 1980s revealed a range of low to threshold levels of polynuclear aromatic hydrocarbons (PAHs) and chlorobenzenes. Levels of hexachlorobenzene (HCB) and hexachloro 1,3-butadiene (HCBd) in fish tissue exceeded "emergency guidelines" set forth by Louisiana Department of Health and Human Resources and LDEQ. LDEQ expressed opinion that the HCB and HCBd contamination was from the Petro-Processors site because analysis of soil and sediment samples from drainage tributaries of other potential sources did not reveal these levels of contamination. PCB levels midway between Devil's Swamp Lake and the Rollins site revealed that the Rollins site was the most probable source of PCBs in Devil's Swamp Lake. The preliminary assessment and site

investigation were completed on May 13, 1992 with a status of high priority. The site is in the drainage area which drains into the Mississippi River and is in the vicinity of the disposal area located at the parish landfill (Devil's Swamp Landfill).

†<sup>D6</sup> Devil's Swamp Sanitary Landfill (LAD980622526). The site is located at the intersection of Highway 61 and Thomas Road near the Mississippi River. No information was available from LDEQ's Inactive and Abandoned Sites Division. The preliminary assessment was completed on November 1, 1979 and the site investigation was completed on January 1, 1980. A letter dated October 26, 1986 from the Department of Public Works Baton Rouge to Louisiana Department of Transportation and Development concerning a DOTD pickup truck carrying "aluminum epoxy" and other toxic materials was reviewed. The driver indicated that DOTD had been disposing of this type of material at the Devil's Swamp Landfill for years. The letter was sent to notify DOTD that this was not acceptable material for the landfill. See Section 5.1.1.1.

Ethyl Corporation - Baton Rouge Plant (LAD079460895). The site is located on Gulf States Road, near the Mississippi River. The site is the location of an active facility which manufactures lead anti-knock compounds, chlorine, sodium, and chlorinated solvents (vinyl chloride, methylene chloride, and 1-2-dichloroethane). The site is under a RCRA post closure plan. Chlorinated hydrocarbon contamination has been detected in the 40'-80' and 400' aquifers. Clean-up for the contamination began in 1983. Hazards listed on EPA documentation included water supply contamination, groundwater contamination, water contamination, soil contamination, hazards to human health, and hazards from spills/leaking containers/runoff/standing liquids. The preliminary assessment was completed on August 1, 1984 and the site investigation was completed on April 1, 1985. The site status was changed from low to high priority following the site investigation. The site is in the drainage area which drains into the Mississippi River and is the location of one of the disposal areas.

†<sup>D4</sup> Ewell Property - Devil's Swamp (LAD981155872). The site is located at Section 44 and 45, T5S R1W in Scotlandville, LA, and is the location of hexachlorobenzene (HCB), hexachlorobutadiene (HCBD), and PCB contamination which is suspected to have originated from the Rollins Environmental Services facility. Testing for semivolatiles, metals, pesticides, and PCBs confirmed contamination from pesticides and chlorinated hydrocarbons. The preliminary assessment and the site investigation were completed on May 1, 1986. The status of the site is low priority. This site is within the vicinity of the disposal area located at the parish landfill (Devil's Swamp Landfill).

Exxon Co USA Baton Rouge Refinery (LAD062662887). The address of the site is listed as 4045 Scenic Hwy, Baton Rouge, LA 70805. No information was available on the site from LDEQ's Inactive and Abandoned Sites Division. A preliminary assessment was completed on November 1, 1979 and a site investigation was completed on February 1, 1980 with a status of NFRAP under Superfund. See Section 5.1.1.1.

†<sup>D7</sup> Exxon Co USA Maryland Tank Farm (LAD000757237). The site is located along LA 19 in Scotlandville and is an active facility which conducts oil reclamation, refining, and disposal. The site has been in operation since 1920s or 30s. Suspect operation consisted of land spreading of separator sludge and storage of leaded tank bottoms. A State Site Assessment Phase I dated December 14, 1992 indicated that "The available evidence indicates that no hazardous materials are present at the site." The site is under RCRA jurisdiction and subject to RCRA enforcement and closure requirements. The preliminary assessment and site investigation were completed on November 1, 1985. The status of the site is high priority. The site is in the drainage area which drains into the Mississippi River and is in the vicinity of the disposal area located at the parish landfill (Devil's Swamp Landfill).

Formosa Plastics Corp (LAD041224932). This site is located on Gulf States Road near the Mississippi River. The inactive units on site include an asbestos burial facility, asbestos pond, lead pond, dredged pile and closed dump. Units were closed under the supervision of the Louisiana Department of Natural Resources Hazardous Waste Division, with the exception of the closed dump. Part of this land (including the closed dump) was sold to Exxon. Also, there are alkaline areas onsite which were caused by soda ash spillage. Ethylene dichloride contamination was found in the groundwater at 65 foot depth resulting from a spill on March 23, 1983. The preliminary assessment was completed on August 1, 1984 and the site investigation on April 1, 1985. The site was changed from low to high priority as a result of the site investigation. The site is not in the project area, it is in the drainage area which drains into the Mississippi River.

Grant Chemical (LAD092104389). The site is located at Highway 61 and Irene Road. No information was available from LDEQ's Inactive and Abandoned Sites Division. The preliminary assessment and site investigation were completed on April 1, 1984 and the site was deferred to RCRA or NRC. See Section 5.1.1.1. The site is not in the project area.

Ideal Basic Industries Baton Rouge Plant (LAD008161143). A description of the location of the site is E/2 E/21 NW/4 SEC 18 T5S R12E, Baton Rouge, LA 70805. The latitude and longitude of the site is 30° 29' 06", 91° 09' 48". Site was an active cement manufacturing facility from 1948 to 1975 and is currently used as a bulk terminal. It was located on 41.61 acre tract of land in the parish. The facility deposited kiln dust and waste refractory brick with 3 to 5% chromium content in an onsite landfill. The total facility waste amount was estimated to be 59,000 cf. EPA Final Strategy Determination dated August 26, 1982 indicates "No Hazardous Waste Problem". A preliminary assessment was completed on August 1, 1982 for the site with a status of NFRAP under Superfund. The site is not in the project area, it is in the drainage area which drains into the Mississippi River.

Kaiser Aluminum & Chemical (LAD008187692). The site is located at U.S. 190 and the Mississippi River Bridge and is the location of a facility which produces aluminum, chlorine, caustic soda, fluorocarbons, and anodo grade Coke (poly isocyanates). Migration of inorganic metals into the shallow aquifer has been documented. Surface water and air

contamination (metals from pisolite piles) is also possible. Soils contaminated with monochlorobenzene and asbestos have been located in landfill cells. Bauxite is also located on the site. A preliminary assessment was completed on June 1, 1989 and the site investigation was completed on August 16, 1991. The site has been deferred to RCRA. The site is not in the project area, it is in the drainage area which drains into the Mississippi River.

Lens-Wicks Co Inc (LAD008152589). The address of the site is 5565 Halsey St, Baton Rouge, LA 70811, 0.1 mile west of Plank Rd. The latitude and longitude of the site is 30° 33' 10", 91° 08' 15". State Site Assessment Phase I: Site is located in residential neighborhood. The facility previously assembled eye glass cleaners. Facility started production in 1955 and was in operation until the mid 60s. The facility resumed operation in Dec 82. A non-toxic, non-hazardous silica gel (dimethylpolysiloxane) was used for the cleaning solution. This site is considered to be NFAS on July 31, 1992 for the following reason: Hazardous substances/wastes are not present at the site and/or were never handled at the site. A preliminary assessment was completed on October 1, 1986 and the site investigation was completed on December 1, 1984 with a status of NFRAP under Superfund. The site is not in the project vicinity.

Pearce & LeBlanc Landfill (LAD004824173). The location of the site is 11715 N Harrels Ferry Rd, Baton Rouge, LA 70816, near the Mississippi River. At least two sites appear to be involved - a landfill and a gypsum pile (calcium sulfate residues from Allied Chemical Corporation). An undated news article indicates three sites in the area that were used by Pearce and LeBlanc. A 21 acre tract was used to operate a four-cell gypsum slurry treatment pond for waste generated during hydrofluoric production at the adjacent Allied plant. The site was formerly used as a landfill for the city of Baton Rouge (Approximately 1969). The site is located on Front Street about 10 yards from the Mississippi River and about 1 mile from the State Capitol. A March 1979 Inspection Report by EPA reported an oil sheen in the water of the stream bordering the site and a crudely constructed oil/waste separator installed along a narrow section of the stream. In addition, stormwater was standing in several low areas throughout a diked area: the water in this area exhibited a clear bluish-green color (no oil sheen was observed). Nov 7, 1983 In light of the fact that records indicate no hazardous wastes have been disposed of at this site, the site does not require any further action under CERCLA. This active waste treatment facility is being referred to RCRA for possible follow up. Lists of substances of greatest concern which are on the site: Gypsum with leachable concentration of selenium <0.1 ppm and fluoride = 8.5 ppm. In 1980, Environmental Technology Inc, found very low levels of several organics as well as several heavy metals. Landfill analyzed contained material with 2000 ppm vanadium, 100 ppm copper, traces of sulfates, 1000 ppm nickel. A preliminary assessment was completed on November 1, 1979 and a site investigation was completed on February 1, 1979 with a status of NFRAP under Superfund. The site is not in the project area, it is in the drainage area which drains into the Mississippi River.



†<sup>D10</sup> Petro-Processors of Louisiana, Inc (LAD057482713). Petro-Processors of Louisiana, Inc. is located on Brooklawn Drive and is on the National Priority List (NPL) and is currently undergoing cleanup. The site consists of two waste disposal areas. Both sites contain volatile aromatic hydrocarbons, volatile chlorinated hydrocarbons, polyaromatic hydrocarbons, and thirteen priority pollutant metals. Contaminants have been detected in soil, groundwater, sediment, surface water and fish tissue. Contamination from this site is believed to have migrated into the surrounding areas of Devil's Swamp, Devil's Swamp Lake and Bayou Baton Rouge. Numerous removal, remediation, and enforcement actions are noted on the CERCLIS inventory for this site. The preliminary assessment was completed on September 1, 1979 and the site investigation was completed on February 1, 1980. The site is in the drainage area which drains into the Mississippi River and is in the vicinity of the disposal area located at the parish landfill (Devil's Swamp Landfill).

Port Allen River Plant (LAD055018717). No information was available from LDEQ's Inactive and Abandoned Sites Division. The location of the site is 3 miles south of Louisiana State University on River Road. According to the CERCLIS inventory, a preliminary assessment or site investigation has not yet been completed for this site. See Section 5.1.1.1. The site is not in the project area.

†<sup>D12</sup> Rollins Environmental Services of LA Inc (LAD010395127). The location of this site is 13351 Scenic Hwy in Baton Rouge, LA 70807. The latitude and longitude for the site are 30° 34' 00", 91° 12' 30". Site is used for incineration of hazardous waste and landfiling of incinerated material. On November 23, 1991 the site was considered to be NFAS for the following reasons: Because of statutory, regulatory, or legal reasons, the site is not under the jurisdiction of the Inactive and Abandoned Sites Division, LDEQ (under RCRA jurisdiction). Testing was conducted on July 11, 1986 for various locations on or near site. Total PCBs ranged from 0.027 ppm to 14.2 ppm. The preliminary assessment was completed on the site on April 1, 1980 and the site investigation was completed on September 1, 1980 with a status of NFRAP under Superfund. The site is in the vicinity of the disposal area located at the parish landfill (Devil's Swamp Landfill)

†<sup>6</sup> Sanfil Land Reclmntn (LAD020859724). The address of the site is 17732 Airline Hwy, Baton Rouge, LA 70816. No information was available from LDEQ's Inactive and Abandoned Sites Division. A preliminary assessment was completed on November 1, 1979 and a site investigation was completed on February 1, 1980 with a status of NFRAP under Superfund. See Section 5.1.1.1. It appears that project work would not directly be affected by this site, but contamination from this site could have migrated to within the project location.

†<sup>D13</sup> Schuykill Metals Corp (LAD008184137). The site is located on Brooklawn Drive near the Mississippi River. The site is an active secondary lead smelter and refinery that recycles lead. Two large landfills are located on site. One of the landfills is "closed" while the other is active and located adjacent to the banks of Bayou Baton Rouge. Further investigation is necessary to better characterize the contamination on site and the potential from off-site

contamination. This site falls under RCRA jurisdiction, no further CERCLA action is recommended. The site is said to be used for improper storage of the following metals: lead, cadmium, barium, arsenic, nickel, zinc, and chromium. The preliminary assessment and site investigation were completed on February 1, 1981. The site status was changed from low to high priority. This site is within the vicinity of the disposal area located at the parish landfill (Devil's Swamp Landfill)

Stauffer Chemical Company (LAD008161234). The site is located on Airline Highway at the Old Mississippi Bridge and is an active sulfuric acid plant. Lead contaminated soil, heavy metal contamination, and "white substance leaking onto the ground" are of concern. Other potential wastes include sulfuric acid contaminated soil, sulfuric acid contaminated furnace ashes, carbon and iron sulfate, soil and sand contaminated with waste tar, vanadium catalyst salts contaminated with sulfuric acid, and nonconventional fuel oil spillage with dirt. Hazards listed on EPA documentation included water supply contamination, groundwater contamination, surface water contamination and soil contamination. Of concern is a potential impact on the 400'-600' aquifer beneath the site. Several sulfuric acid leaks have occurred in underground pipelines. The preliminary assessment was completed on August 1, 1984 and the site investigation was completed on February 1, 1986. The status of the site is low priority. This site is not within the project area.

Texas Pipeline Co-Baton Rouge Prod St (LAD000728881). The listed address for this site is 1/2 mile west of US Hwy 61, Baton Rouge, LA 70791. No information was available from LDEQ's Inactive and Abandoned Sites Division. The preliminary assessment and site investigation were completed on April 1, 1984 with a status of NFRAP under Superfund. This site is not located in the project area.

†<sup>D27</sup> U S Steel Corp., USS Chemicals (LAD020877262). The listed address for the site is 12537 Scenic Hwy (Hwy 61 North), Baton Rouge, LA 70807. No information was available from LDEQ's Inactive and Abandoned Sites Division. A preliminary assessment was completed on August 1, 1984 and a site inspection was completed on April 1, 1985. The status is listed as NFRAP under Superfund and Deferred to RCRA or NRC. See Section 5.1.1.1. This site is not in the project area.

†<sup>D14</sup> Union Tank Car Company (LAD010383529). No information was available from LDEQ's Inactive and Abandoned Sites Division. The site is located on Brooklawn Drive. The preliminary assessment and site investigation were completed on April 1, 1981. The site is listed as deferred to RCRA or NRC. See Section 5.1.1.1. The site is outside of the project area.

Vacuum Industrial Pollution (LAD980864813). The site is located at 6638 Pecue Lane, Baton Rouge, LA 70816. No information was available from LDEQ's Inactive and Abandoned Sites Division. The preliminary assessment was completed on July 1, 1980 with a status of NFRAP under Superfund. See Section 5.1.1.1. The site is within the vicinity of the project.

†<sup>46</sup> Valley Park School (LAD985170273). This operating school and administrative complex is located at 4510 Bawell Street. The site located over the former Valley Park Landfill which was operational from the 1940s to 1963. In 1991, employees reported health concerns which were believed to be caused by the landfill. Further testing by LDEQ Air Analysis Section found no evidence that the landfill was influencing the air inside or outside of the Valley Park Complex Building. A Superfund Site Strategy Recommendation dated September 9, 1992 revealed the following. "Sample analytical results from the SSI indicated: observed releases of acetone, PCBs, pesticides, and metals to the soil and surface water sediment. A prescore is recommended using information from the SSI to determine if this site would score high enough using the revised HRS to be a potential candidate for the NPL." The preliminary assessment was completed on February 1, 1990 and the site investigation September 9, 1992. This site is located within the project area, along a drainage canal which drains into Dawson Creek.

Two of the listed sites, Valley Park School and Baton Rouge Fairgrounds (also listed as Sanfil Land Reclamation), are located in close proximity to a project location. Valley Park School is located alongside a drainage ditch which flows into Dawson Creek, and would affect the Wards Creek project. Baton Rouge Fairgrounds is located near the confluence of Wards Creek with Bayou Manchac. Twelve sites have been identified in close proximity to the proposed disposal area at the parish's Devil's Swamp Landfill, located near Thomas Drive at Airline Highway. Recommendations concerning these sites are included in Section 6.0.

Inactive and Abandoned Sites Division provided a LARIS (Louisiana Site Remediation Information System) listing dated January 6, 1993. This listing provides the sites in Louisiana which remediation has begun or remediation may be required. Many of the sites on the CERCLIS listing also are included on this listing. Inactive and Abandoned Sites Division stated that not all of the sites listed had a file on them. Table 2 lists all sites in East Baton Rouge Parish on the LARIS listing. Many of the sites listed are also cross-referenced in the Superfund CERCLIS inventory. The sites which are not also listed on the CERCLIS inventory follow this table.

TABLE 2  
LOUISIANA SITE REMEDIATION INFORMATION SYSTEM (LARIS)

STATE ID NO	SITE NAME	CITY
00022	Allied Chem Corp Baton Rouge South Works	Baton Rouge
01134	American Capitol Cement	Baton Rouge
† <sup>D2</sup> 00036	American Hoechst Corp Plant	Baton Rouge
† <sup>6</sup> 00097	Baton Rouge Fairgrounds	Baton Rouge
00098	Baton Rouge Gas Works	Baton Rouge

TABLE 2 (CONTINUED)  
LOUISIANA SITE REMEDIATION INFORMATION SYSTEM (LARIS)

STATE ID NO	SITE NAME	CITY
†D1 01169	Bayou Baton Rouge	Baton Rouge
00118	BFI-Baton Rouge	Baton Rouge
00130	BFI-Siegen Lane	Baton Rouge
00174	Capitol Lake	Baton Rouge
00182	Central Creosoting Co	Baton Rouge
†D4 00282	Devil's Swamp (Ewell Property)	Baton Rouge
00317	Ethyl Corporation-Baton Rouge Plant	Baton Rouge
†D4 00032	Ewell Property	Baton Rouge
00352	Follen Wood Preserving Co	Baton Rouge
00354	Formosa Plastic Corporation	Baton Rouge
00441	Ideal Basic Industries	Baton Rouge
00573	Matlack, Inc.	Baton Rouge
00611	Monterey Pipeline Company	Baton Rouge
00614	Monterey Pipeline Company	Baton Rouge
00634	Monterey Pipeline Company	Baton Rouge
00635	Monterey Pipeline Company	Baton Rouge
†D10 00710	Petro Processors of Louisiana	Baton Rouge
00728	Port Allen River Plant	Baton Rouge
†6 00783	Sanfil Land Reclamation	Baton Rouge
00861	Stauffer Chemical Co-Baton Rouge	Baton Rouge
†D14 01043	Union Tank Car	Baton Rouge
01070	USS Chemical	Baton Rouge
†D46 01075	Valley Park School	Baton Rouge

American Capitol Cement (State ID 01134). No file in Inactive and Abandoned Sites Division.

Central Creosoting Company (State ID 00182). Site is in East Feliciana Parish, the city of Slaughter and therefore not affecting project area.

Follen Wood Preserving (State ID 00352). Site is located at latitude 30° 28' 00" N, longitude 91° 09' 52" W at the corner of N 18th and Choctaw Drive. The 2300 block of N 18th no longer exists. The site is located in the yard area of Metal Works Corporation. The location of the CCA treatment facility is now under a concrete slab. No indication of CCA soil contamination was found in the accessible areas. On January 5, 1993 No Further Action



statement "Evidence of the presence of probability of hazardous substances/waste being located at or under our jurisdiction have not been detected at this site." This site is not located within the project area.

Matlack, Inc (Site ID 00573). No file in Inactive and Abandoned Sites Division fileroom.

Monterey Pipeline Company (State ID numbers 00611, 00614, 00634, and 00635). One file was available on these four sites. The location of all surface features of the company's pipeline system that could allow materials transported within the pipeline to be released into the environment was requested. The following four sites from Monterey Pipeline Company were indicated in the file. These sites are not within the project area.

At GSU's Louisiana Steam Plant in Section 43, T6S, R1W at N 30° 29' 31", W 91° 11' 11".

At Formosa Plastics plantsite near the Mississippi River in Section 38, T6S, R1W at N 30° 30' 04", W 91° 11' 34".

At Kaisers plantsite on US Hwy 190 in Section 37, T6S, R1W at N 30° 30' 21", W 91° 10' 59".

Near US Hwy 61 at Brooklawn Drive in Section 51, T5S, R1W at N 30° 34' 34", W 91° 12' 43".

#### 5.1.2.3 Office of Solid and Hazardous Waste.

Office of Solid and Hazardous Waste, Solid Waste Division. Existing and previously used landfill locations are identified by this office. The following listing is for all existing or previously used landfills in East Baton Rouge Parish.

Waste pile located at Industrial Electric Motor SVC, Inc., 10474 Mammouth Ave, Baton Rouge

Landfarm located on Burbank Dr owned by Pearce & LeBlanc, Inc.

†<sup>46</sup> Closed Hazardous Site located at Valley Park, corner of I-10 & College.

Closed Woodwaste Dump Site at 1035 N Harvey Dr owned by Ace Tree Service.

Closed Unauthorized Dump located at Evergreen Acres Mobile Home Park on Greenwell Springs Road (Section 66, T6S, R1E).

Apple Street Dump Site located at 17th St & Apple St.

Unauthorized C & D Dump located on Hwy 61, south of Pecue Lane.

B & G Landfill located at (Section 77, T6S, R1E).

Promiscuous Dump located at corner of E Smiley & Callahan near Greenwell Springs Road & Ardenwood.

Closed Unauthorized Dump located at corner of Hooper Road & Comite.

Closed Howard Brent Unauthorized Dump at 955 Staring Lane (Section 61, T8S, R1E).

Browning C & D Dump at (Section 43, T6S, R2E).  
 C & D Dump Site located on Christopher Drive just off of Buckner Drive.  
 Unauthorized Dump located at 650 Staring Lane (Section 68, T8S, R1E).  
 Unauthorized C & D Site located at 10214 Blackwater Rd, Baker, Louisiana.  
 Closed Dump Site at (Section 50, T6S, R1E).  
 Unauthorized Dump at Greenwell Springs & Frenchtown (Section 42, T6S, R2E).  
 Unauthorized Dumping of roofing shingles at (Section 29, T10S, R1E).  
 Malcom Prize Promiscuous Dump located at Anderson Ave, Baton Rouge.  
 C & D Dump Site at 820 Staring Lane (Section 67, T8S, R1E).  
 Heck Unauthorized Dump at 9900 Greenwell Springs Rd.  
 Wallace Heck Sr, Unauthorized Dump at 5415 Choctaw (Section 49, R2E, T8S).  
 Closed Unauthorized Dump located at Hyacinth Ave, Baton Rouge.  
 Closed Promiscuous Dump located on Scenic Hwy about 0.5 miles north of Groom Rd.  
 Unauthorized Dump located on Plank Road across from Robert E Lee Theater.  
 Jimmy Scott Unauthorized Dump located at (Sect 58, T7S, R2E).  
 Shady Bluff Site at Hooper Rd & Winchester.  
 Elwood Smith Dump Site at 17594 Florida Blvd.  
 L D Smith Site at (Section 51, T5S, R1E) on bank of Comite River.  
 Sam Lewis Site at corner of Carey Road & Comite Drive, Baker.  
 Harry Lilly Unauthorized Dump located on Maribel Drive.  
 Lynn, Inc. Unauthorized Dump located at (Lat 30°28'10", Long 91°02'02").  
 Waste Not, Inc. (Section 80, T7S, R2E).  
 Ed McKnight Unauthorized Dump at Lake Calais Court near Staring Lane.  
 Store More Mini Warehouses Dumping at Old Hammond Hwy & Blvd De Province.  
 Sam White Unauthorized Dump Site at 9546 Horseshoe Bend Road off of Hoo Shoo Too Road (Section 42, T7S, R1E).  
 Cleve Willet Unauthorized Dump located at 4288 Drusilla Lane (Section 42, T7S, R1E).  
 Kermit Williams Unauthorized Dump at the corner of Greenwell Springs Road & Comite River.  
 Promiscuous Dump #2 located at Section 40, T7S, R1W.  
 Homer Outlaw Site at Rt 1 Box 333 Comite Drive, bluff along Comite River.  
 Pecue Lane Closed Landfill located at Section 62, T8S, R2E approximately .02 miles west of I-10.  
 Calais Pit (C & D Debris) at Section 55, T7S, R1E.  
 John B Raby located at 820 Staring Lane C & D Site (Section 67, T8S, R1E).  
 Morton C Renfroe Dump located on Comite River Road between Klein Drive and Comite River on right.  
 Jenkin Sabella Pit (C & D Debris) at Section 47, T6S, R1E.  
 Jimmy Scott Unauthorized Dump buried at 8437 Joor Road.  
 Southern Scrap Fluff Site at 53096 Airline Highway.  
 H C Viccinelli Shredded Rubber Dump at 4725 North St.

The Closed Hazardous Site located at Valley Park, corner of I-10 and College was officially closed on October 25, 1985 according to the Office of Solid and Hazardous Waste, Solid Waste Division personnel. We were told that the site was situated where the Valley Park School is now located and where Albertson's Supermarket is now located (the southwest edge of the intersection of I-10 and College Drive). There was no file in the Solid Waste Division on this landfill.

Office of Solid and Hazardous Wastes, Hazardous Waste Division, Emergency Response Section. This office maintains a handwritten daily log of the citizen's complaints received by LDEQ. It also maintains a handwritten log of spills which occur in the state and are reported to LDEQ. Each log entry for the Citizens Complaint Log indicates the date the complaint was registered, the person registering the complaint, the location of the incident, the parish, and the suspected nature of the incident. The Spill log contains the date of the incident, the location, the company or individual responsible for the incident, the parish, and the transporter and disposer if applicable. To ensure the privacy of individuals, all names which appear to be personal and not that of a company have been removed from this document and replaced with "Name removed". If further information is required, please refer to agency records. Each log entry has a corresponding file with additional information on the entry, reports are included if the incident was investigated by LDEQ personnel. A review of all log entries in the city of Baton Rouge was conducted and are included in tables in this report. Individual files were not reviewed, rather the information provided in the log books were used to determine the potential for HTRW contamination. Table 3 shows the emergency spill records logged for the City of Baton Rouge from 1985 through February 18, 1993. Table 4 shows the citizen complaints logged from 1988 through February 18, 1993.

There were 1,313 spill records logged at LDEQ for East Baton Rouge Parish. Of these, 1,157 were for the City of Baton Rouge. The company logging the largest number of incidents in the city was Exxon with 431 records, or 37%. Nineteen percent of the log entries were spills with unknown generators. Other companies in the city with greater than one percent of the total records accountable to them are: Gulf States Utilities with 54 entries or 5%, Copolymer with 37 entries or 3%, and Formosa with 35 entries of 3%. Exxon's spills occurred at its plant locations of 4999 Scenic Highway, 4045 Scenic Highway and some were listed to be at Exxon's Dock on the Mississippi River. The most common materials spilled by Exxon were the following: Benzene-50 incidents (12%); Hydrocarbons - 44 incidents (10%); Oil/Crude/Diesel - 43 incidents (10%); Hexane - 36 incidents (8%); Fuel/Gasoline - 28 incidents (7%); Methyl Chloride - 26 incidents (6%); Hydrogen Sulfide, Butadiene, and Ethylene all at 3%; Naptha and Unknown material at 2%; and Flaring and Methane at 1%. These Exxon sites are not in the drainage basin of any project location, but rather drain into the Mississippi River. Gulf State Utilities reported 54 incidents with 37% relating to an natural gas leak or fire, 32% relating to a leak or spill of transformer oil, and 13% relating to PCB leaks. These logs were not located at one specific location, but rather were spread out over the City. Copolymer is located at 5955 Scenic Highway, also draining into the Mississippi River. Therefore this site is not within the project area. The most reported incident type for Copolymer was Smoke/Fire at 27%, Training was listed in 22% of

the incidents, Steam and ammonia were reported for 11% of the logs, and PCB spills were 5% of the entries. Formosa Plastics or Formosa Chemicals is located on Gulf States Road which drains into the Mississippi River and is not within the project area. Fifty-four percent of the incidents at Formosa were related to vinyl chloride discharge, 15% related to ethylene dichloride, 11% to hydrochloric acid, and 9% to diesel/oil. The entire spill inventory for the City of Baton Rouge follows.

Emergency response spills and citizen complaints were excluded from further consideration under one of the following scenarios: substance spilled is not hazardous, location is outside of project range, or a review of the file at LDEQ offices shows: cleanup action, no cleanup required, or no further action. Those items which are still of concern throughout this screening process are daggered. Because emergency response spills and citizen complaints generally pertain to smaller quantities of material usually representing a one-time discharge, outside project range is any item further than 0.5 mile away from a project work area. It is reasonable to state that these instances pose a lesser threat than continual, flagrant discharges.

TABLE 3  
LDEQ EMERGENCY RESPONSE SPILLS  
1985 - 1993

LOG #	DATE	GENERATOR	LOCATION	ADDRESS	MATERIAL
90	1648 11/20/90	4 B Plastics		12558 S Choctaw	Fire
86	383 09/18/86	7-11 Store	Sorrel Street		Unknown
86	207 06/09/86	AMI		2667 West Dual	Pine Oil
90	641 05/20/90	AMI Agribusiness		2667 W Dual Dr	Fire
86	477 11/18/86	AT&T		333 N. 6th	Diesel
91	289 02/25/91	Ace Transportation	I-10 Eastbound & I-12		Voclay (Powder Clay)
90	305 03/09/90	Air Company Industries	US 61 at LA 68		Nitrogen
90	529 04/26/90	Air Products	I-12 between O'Neal & Denham Springs		Spent catalyst
90	667 05/25/90	Airline Animal Hospital		10735 Airline Hwy	Siphotrol (Precor)
90	772 06/19/90	Alciatore, Inc	Veterans Memorial Blvd		Diatomaceous Earth Silica
89	413 05/16/89	All Waste Tank Cleaning Terminal		6735 Airline	Tar Residue & water
85	59 03/06/85	Allied Chemical	Allied South Works		Spent Caustic Sodium Hypochlorite
† <sup>DB</sup> 85	348 06/05/85	Allied Chemical	Allied Chemical		Hydrofluoric Acid
88	739 08/28/88	Allied Chemical	Scenic Hwy		HCl & HF Acid
88	758 09/02/88	Allied Chemical	Allied Chemical		Hydrogen Chloride
87	619 10/02/87	Allied Corporation, Baton Rouge South			Chlorine Gas
92	1998 09/21/92	Allied Signal	Allied Signal, Chippewa St		HF, HCl, Cl gases
† <sup>DB</sup> 90	1009 08/02/90	Allied Signal	Scenic Hwy		Chlorine
91	1397 08/08/91	Allied Signal Southworks	Lupine & Ontario Streets		NPDES Treated Wastewater
90	741 06/14/90	Allied Signals, Inc	Lupine & Ontario		Carbon Tetrachloride
89	1086 11/21/89	Alpha Chemical	I-10 Westbound		Hydrochloric Acid
88	785 09/11/88	Amoco	Exxon Chemical		Methyl Chloride
89	663 07/25/89	Amoco Oil	Hwy 61		Crude Oil

TABLE 3 (CONTINUED)  
LDEQ EMERGENCY RESPONSE SPILLS  
1985 - 1993

LOG #	DATE	GENERATOR	LOCATION	ADDRESS	MATERIAL
89	517 06/09/89	Amtex of LA, Inc		13021 S Choctaw	Diesel Fuel
88	993 11/02/88	Andrews Pavement Markings LAP230061593		2900 Monterrey	Methyl Ethyl Ketone
85	296 03/21/85	Antill Pipeline Co. LAP230054368	I-10 West Bound at Highland Road		Diesel
90	119 01/29/90	Anton Plastics		14000 Scenic Hwy	Polyethylene
92	1745 07/20/92	Arkansas Freight	I-110 Northbound at Memorial Stadium		Non-haz. waterbased glue
91	167 02/01/91	BFI	I-110 at Scenic Hwy		Non-Hazardous
89	94 02/02/89	BFI City - Parish	Starring & Perkins		Corrosive
90	522 04/26/90	BR Airport	Regional Airport		Jet Fuel
89	783 08/27/89	BR Car Care Center		222 Lee Dr	Transmission Fluid, 15 gals removed
90	1858 12/28/90	BREB Truck Storage		1385 N 17th	Gasoline
91	1129 07/16/91	Barber Brothers Construction	I-110 North at Government St Exit		Demolition Debris, 8 yds removed
89	456 05/25/89	Baton Rouge Oil Co	St Louis & France St		Diesel
88	820 09/20/88	Bealine Service Co.	Scenic Hwy & Chippewa		Filter Cake, Hazardous solid NOS 9189
90	1737 12/02/90	Boh Brothers Construction		12203 Airline Hwy	Hydraulic Oil
87	614 09/30/87	Brandy Wine Co.	I-10 and Drusilla		Diesel
90	1574 11/02/90	Builders Transport	I-12 at O'Neal		Aluminum Chloride, Anhydrous
90	238 02/20/90	C&M Trucking	I-10 Eastbound at Siegen		Dipentene, flammable liquid
88	464 06/02/88	CCC Express, Inc	Airline Hwy & Merrydale		Urea Aldehyde Resin Film
92	1789 09/08/92	CCI Environmental Drilling	13370 block Old Hammond Hwy		Gasoline & Hydraulic Oil
85	90 04/02/85	CECOS		5757 Siegan Lane	Acetic Rainwater
88	192 03/17/88	CL Brewer Enterprises	I-12 Westbound at O'Neal Lane		Diesel
† <sup>11</sup> 86	373 09/18/86	CM Penn & Sons, Inc	I-10, WB, West of Highland Road Exit		Hazardous Waste N.O.S.
† <sup>11</sup> 87	818 11/14/87	CM Penn & Sons, Inc	Airline Hwy		Ferric Sulfate
88	568 06/27/88	Calongre Damage & Storage Inc.	I-10 Westbound at Siegen Overpass		Diesel
85	306 10/17/85	Capital Marine LAP230055729	North Street		Diesel
91	70 01/11/91	Capital Steel		2655 Foster Dr	Diesel
88	325 04/27/88	Capital Welders Supply		1101 Choctaw	MAPP Gas
88	880 10/05/88	Cecil Gassiot Contractor	Florida & Foster		Diesel
90	803 06/23/90	Celeste Matress Co	I-10 at Dalrymple		Diesel/Oil
92	1308 07/14/92	Central Garden Supply	Industriplex	6565 Exchequer Rd	Unknown
89	702 08/08/89	Charlotte Chemical Co, Inc	7600 block Scenic Hwy		Red Water
87	146 03/24/87	Chemical Dist. Inc.	I-10 & Dalrymple		Corrosive
86	504 11/24/86	Chemical Leaman Tank Lines	Exxon		Phthalic Anhydride
86	421 10/13/86	Name Removed	I-12, One Mile East of Sherwood		Toluene Diisocyanate Diphenylmethane Diisocyanate
90	74 01/11/90	Chevron LAP230063407		2313 S Acadian	Gasoline



TABLE 3 (CONTINUED)  
LDEQ EMERGENCY RESPONSE SPILLS  
1985 - 1993

LOG #	DATE	GENERATOR	LOCATION	ADDRESS	MATERIAL
89	959 10/17/89	Chevron Service Station		1342 Glacier	Gasoline vapors
89	192 03/13/89	Chevron Station		7930 Jefferson Hwy	Gasoline
90	210 02/09/90	Chevron USA, Inc		800 Brickyard Alley	Unknown
90	530 04/27/90	Chevron USA, Inc	Airline Hwy & Coursey Blvd		Gasoline
88	240 03/31/88	Choctaw Transp. Inc.	Airline & Florida Eastbound		Motor Oil
89	462 05/26/89	Christiana Foods		2125 Sorrel Ave	Ammonia Leak
92	1775 09/08/92	Circle K	Corner Nicholson & W Lee		Crude Oil
92	2484 11/30/92	Circle K		5467 N Foster	Gasoline
92	297 03/05/92	Circle K Corp Store # 8059	Corner Flannery Rd & Delores		Unleaded Fuel
† <sup>17</sup> 86	133 04/24/86	Circle K Store		12891 Coursey Blvd	Gasoline
89	752 08/12/89	Citizen		12212 Sherwood Forest	Chlorine
90	1107 08/20/90	City Dept of Public Works	N Side of Sumerall		Burning
91	1481 09/12/91	City Parish Sewage Treatment Plant	River Rd		Corrosive Dry Powder
88	847 09/21/88	City of Baton Rouge		14024 Highland Rd	Chlorine
87	165 03/01/89	City of Baton Rouge		8516 Shadybluff	Chlorine
89	956 10/24/89	Clean Up Transport LAP2300633923	I-10 between College & Acadian		Incinerator Scrubber Sludge
90	471 04/16/90	Coco Sales, Inc		3301 Winbush St	Tear gas
87	496 07/31/87	Cohn Turner LAP230059773		8441 Greenwell Springs Rd	Perchloroethylene
90	860 07/02/90	Colonial Pipeline Co	Hwy 61 North		Gasoline
86	111 04/10/86	Coment Distribution Service Inc. LAP230056424		1175 Choctaw Drive	Diphenylmethane 4,4 Diisocyanate
90	118 01/26/90	Commodity Line, Inc	MS River Bridge Westbound		Pendimethalin
88	267 04/06/88	Copolymer		5955 Scenic Hwy	Mercaptone
88	957 10/26/88	Copolymer	Copolymer	5955 Scenic Hwy	Smoke
89	925 10/12/89	Copolymer	Shada Ave		Natural Gas
90	100 01/22/90	Copolymer		5955 Scenic Hwy	Incinerator Smoke
90	406 03/30/90	Copolymer		5955 Scenic Hwy	Ammonia
90	672 05/29/90	Copolymer	Copolymer	5955 Scenic Hwy	Smoke
90	753 06/15/90	Copolymer	Scenic Hwy	5955 Scenic Hwy	Unknown-Fire
90	830 06/27/90	Copolymer		5955 Scenic Hwy	Smoke
90	929 07/16/90	Copolymer	Copolymer	5955 Scenic Hwy	Fire Alarm
90	946 09/19/90	Copolymer	Copolymer	5955 Scenic Hwy	Fire Whistle
90	1122 08/22/90	Copolymer	Copolymer	5955 Scenic Hwy	Butadiene
90	1187 09/05/90	Copolymer	Scenic Hwy	5955 Scenic Hwy	Fire Alarm
91	776 05/09/91	Copolymer		5955 Scenic Hwy	Oil
92	203 02/10/92	Copolymer	Copolymer - Code 10	5955 Scenic Hwy	Smoke & Sparks
92	254 02/27/92	Copolymer	Copolymer	5955 Scenic Hwy	Small Fire - Smoke
92	571 04/15/92	Copolymer	Copolymer Plant "Code 10"	5955 Scenic Hwy	Fire training
92	837 05/15/92	Copolymer	Copolymer	5955 Scenic Hwy	Venting Steam
92	883 05/21/92	Copolymer	Copolymer Code 10	5955 Scenic Hwy	Loud Noise
92	911 05/27/92	Copolymer	Copolymer	5955 Scenic Hwy	Steam
92	940 05/29/92	Copolymer	Copolymer	5955 Scenic Hwy	Mercapton vapors
92	1021 06/08/92	Copolymer	Copolymer	5955 Scenic Hwy	Ammonia
92	1202 06/29/92	Copolymer		5955 Scenic Hwy	Hexene
92	1237 07/02/92	Copolymer	Copolymer	5955 Scenic Hwy	Fire-Smoke & Odor

TABLE 3 (CONTINUED)  
LDEQ EMERGENCY RESPONSE SPILLS  
1985 - 1993

LOG #	DATE	GENERATOR	LOCATION	ADDRESS	MATERIAL
92	1304	07/14/92	Copolymer	5955 Scenic Hwy	Steam - Noise
92	1437	07/28/92	Copolymer	5955 Scenic Hwy	Smoke
92	1591	08/13/92	Copolymer	5955 Scenic Hwy	Fire Training - Black Smoke
92	2068	10/07/92	Copolymer	5955 Scenic Hwy	Venting Steam from Powerhouse
92	2306	11/02/92	Copolymer	5955 Scenic Hwy	Ammonia
92	2650	12/28/92	Copolymer	5955 Scenic Hwy	Steam - Loud Noise
91	753	05/07/91	Copolymer (DRILL)	5955 Scenic Hwy	Ammonia
86	318	08/12/86	Copolymer Chemical	5955 Scenic Hwy	Acrylonitrile
86	395	09/23/86	Copolymer Chemical	5955 Scenic Hwy	PCB
85	256	11/19/85	Copolymer Chemical & Rubber	5955 Scenic Hwy	Spent Sulfuric Acid
90	798	06/22/90	Copolymer Chemical & Rubber	5955 Scenic Hwy	Gaseous Butadiene
87	595	09/24/87	Copolymer Chemical & Rubber Co.	5955 Scenic Hwy	Rubber
85	201	09/05/85	Copolymer Rubber & Chem Co.	5955 Scenic Hwy	#7 Middle Distillate
85	226	09/06/85	Copolymer Rubber & Chemical	5955 Scenic Hwy	PCBs
88	686	08/12/88	Cotton's Pest Control	Greenwell St & Joor Rd.	% Solution Of Durisban
88	1085	11/23/88	Cracker Barrel	11050 Airline Hwy	Diesel
89	208	03/17/89	Cracker Barrel	Burbank	Gasoline
92	1718	08/30/92	Cracker Barrel	1400 Airline Hwy	Diesel
91	997	06/22/91	Cracker Barrel #24	15421 Old Jefferson Hwy	Gasoline
90	1560	11/05/90	Cracker Barrel #47	1400 Airline Hwy	Gasoline
92	729	04/25/92	Cracker Barrel #47	1400 Airline Hwy	Unleaded Gasoline
89	918	10/08/89	Craddock Oil Co	Mohican & I-110	Unleaded Gasoline
88	84	02/10/88	Custom Environmental Transport.	Hwy 61 Westbound side by Holiday Inn S.	Diesel
90	1183	08/28/90	DEMCO	Keystone Ave & Suncourt	Transformer Oil
89	543	06/20/89	DEQ	4000 block of Sherwood Forest	Methyl Mercapton
90	737	06/12/90	DSI	US 61 at Highland	Hydraulic Oil
89	653	07/24/89	Name removed	Hollydale Townhomes	Paint Waste
90	515	04/19/90	Daul & Sors Trucking	Cullen's Playland, Florida Blvd	Diesel
90	1872	12/30/90	Dave	6368 Quinn Dr Apts	Drums
89	1236	12/25/89	DeNova Oil	Gardere at Sewer Treatment	Crude
86	552	12/21/86	Delta Airlines	Baton Rouge Airport	Super Sanitex
88	477	06/13/88	Delta Store	3676 Government St	Unleaded Gasoline
89	373	05/02/89	Demco	12567 Florida Blvd	Mineral Oil
88	817	09/19/88	Denovo Oil & Gas	I-10 And Siegen	Crude Oil & Saltwater
92	873	05/20/92	Denovo Oil & Gas	I-10 at Siegen Lane	Saltwater
87	800	12/22/87	Denovo Oil Company	9300 Pascagoula Dr	Unknown
90	428	03/30/90	Dept of Environmental Quality LAP230063416	Capital Lake	Oil
87	468	08/03/87	Dixie Electric	Lovett Rd	Transformer Oil
92	1439	07/28/92	Donmoor Supermarket	1143 N Donmoor	Propane
89	445	05/22/89	Doors Incorporated	13300 Scenic	Latex Glue Resin

TABLE 3 (CONTINUED)  
LDEQ EMERGENCY RESPONSE SPILLS  
1985 - 1993

LOG #	DATE	GENERATOR	LOCATION	ADDRESS	MATERIAL
87	15 01/12/87	Dow Chemical			Methyl Chloride
89	143 02/10/89	Dresser Industries	I-10 Eastbound at split		Haz Waste Solid NOS
88	145 03/01/88	Dugas Pest Control		545 Lobdell	Delnay
86	150 03/14/86	EBR Parish Mosquito Abatement			Malathion
90	1692 11/29/90	EBR-DPW		10558 W Chester	Chlorine
89	792 09/05/89	East Coast Intermodal	Dalrymple & I-10		Diesel
85	178 08/02/85	Eckerd Drugs	Highland & Airline Hwy		Diesel Fuel
88	504 06/19/88	Eco Tenneco Service Station	Shunberg Lane		Drums
92	15 01/03/92	Eddie Knippers & Assoc		11353 Greenwell Springs R	Gasoline
88	952 10/25/88	Ethyl		8000 GSRI Rd	Unknown
90	191 02/11/90	Ethyl	Gulf States Rd		Unknown Odors
85	44 02/13/85	Ethyl Baton Rouge Plant, Research & Development	Ethyl Baton Rouge Plant, Research & Development Lab		Ethylene Glycol Dimethyl Ether Soln (20% Toluene)
90	1742 12/06/90	Ethyl Corp	Ethyl Corp		Smoke or Flare
91	217 02/11/91	Ethyl Corp	Gulf States Rd		Burn Test
91	971 06/20/91	Ethyl Corp	Ethyl Corp		Burning
91	1118 07/17/91	Ethyl Corp	Ethyl Corp		Smoke
92	672 04/27/92	Ethyl Corp	Gulf States Rd		Lindane
88	326 04/27/88	Ethyl Corp.	Gulf States Rd		Unknown
87	658 10/08/87	Ethyl Corporation			Iodine
89	1276 12/30/89	Ethyl Corporation LAP230061675		1401 Foss St	Petroleum Naptha
87	583 09/16/87	Ethyl Plant	Ethyl Plant		
91	820 05/28/91	Ethyl Towers		8000 GSRI Rd	Hydrogen
86	511 12/03/86	Exxon			Unknown
† <sup>26</sup> 87	54 01/30/87	Exxon		7725 Airline	Gasoline
87	348 06/19/87	Exxon	Scenic Highway		Carbon Trioxide
87	453 07/27/87	Exxon	Exxon		Hydrogen
88	44 01/26/88	Exxon	Exxon Refinery		PCLA #3
88	421 05/24/88	Exxon	Exxon Refinery		unknown
88	455 06/03/88	Exxon	Scenic Hwy		Methyl Chloride
88	475 06/12/88	Exxon	Exxon		Bromie Gas
88	778 09/09/88	Exxon		4999 Scenic Hwy	Methyl Chloride
88	1004 11/06/88	Exxon	Exxon		Hydrocarbons
89	261 03/29/89	Exxon	Scenic Hwy		Methyl Chloride
89	265 03/30/89	Exxon	Scenic Hwy		Hydrogen Sulfide, Hydrocarbons
89	274 03/31/89	Exxon	Exxon		Hydrogen Sulfide
89	729 08/17/89	Exxon	Scenic Hwy		Hydrocarbon Gas
89	730 08/17/89	Exxon	Scenic Hwy		Hydrocarbon Gas, Hydrogen Sulfide
89	746 08/22/89	Exxon	Scenic Hwy		Hydrocarbon Gas
89	812 09/11/89	Exxon	Scenic Hwy		Fuel Gas
89	872 09/25/89	Exxon	Exxon		Flaring
89	1050 11/13/89	Exxon	River Milepost 232		Oil
89	1164 12/13/89	Exxon		4999 Scenic Hwy	Hydrocarbon/Benzene
90	3 01/02/90	Exxon		4999 Scenic Hwy	Benzene
90	42 01/05/90	Exxon		4999 Scenic Hwy	Benzene
90	128 01/31/90	Exxon		4999 Scenic Hwy	Benzene
90	323 03/13/90	Exxon		4999 Scenic Hwy	Sulfuric Acid
90	345 03/17/90	Exxon		4999 Scenic Hwy	Benzene

TABLE 3 (CONTINUED)  
LDEQ EMERGENCY RESPONSE SPILLS  
1985 - 1993

LOG #	DATE	GENERATOR	LOCATION	ADDRESS	MATERIAL
90	646 05/22/90	Exxon		4999 Scenic Hwy	Methyl chloride, Hydrogen Chloride
90	742 06/14/90	Exxon		4999 Scenic Hwy	68% Sulfuric Acid
90	774 06/20/90	Exxon		4999 Scenic Hwy	Malaeicanhydride
90	814 06/26/90	Exxon	Scenic Hwy		Benzene Condensate
90	876 07/05/90	Exxon		4999 Scenic Hwy	Bromine
90	885 07/09/90	Exxon		4999 Scenic Hwy	Benzene
90	1417 10/11/90	Exxon		4999 Scenic Hwy	Hydrogen Sulfide
90	1420 10/15/90	Exxon	Scenic Hwy		Flaring & Noise
† <sup>07</sup> 90	1746 12/06/90	Exxon	Maryland Tank Farm		Natural Gasoline
90	1747 12/06/90	Exxon	Scenic Hwy		Benzene
90	1767 12/12/90	Exxon		4999 Scenic Hwy	Unknown (Drill)
90	1772 12/07/90	Exxon		4999 Scenic Hwy	Methyl Chloride
90	1776 12/09/90	Exxon		4999 Scenic Hwy	Oleic Acid
90	1778 12/10/90	Exxon		4999 Scenic Hwy	Hydrogen Gas
90	1785 12/13/90	Exxon		4999 Scenic Hwy	Nonene
90	1786 12/13/90	Exxon		4999 Scenic Hwy	Cycle Gas Oil
90	1840 12/23/90	Exxon	Coursey at Sherwood		Gasoline
91	796 05/23/91	Exxon	Scenic Hwy		Benzene
91	1449 09/10/91	Exxon	Exxon		XC-4 Hydrocarbon
91	1798 10/25/91	Exxon	SACC Unit		Ethylene
91	1808 10/25/91	Exxon	Exxon		Methane & Ethylene
91	2012 11/26/91	Exxon		4999 Scenic Hwy	Ethylene
92	23 01/06/92	Exxon		18440 Highland Rd	Crude Oil
92	231 02/25/92	Exxon		4999 Scenic Hwy	Propane 300 lbs
92	392 03/13/92	Exxon	Exxon Chemical Plant		Oil/Water, possible benzene
92	403 03/23/92	Exxon		4999 Scenic Hwy	Benzene & Toluene
92	485 04/01/92	Exxon	Exxon Refinery		H2S
92	486 04/02/92	Exxon	Exxon Chemical		Isopropyl Ether
92	498 04/02/92	Exxon	Exxon Chemical Plant		
92	771 05/08/92	Exxon		4999 Scenic Hwy	Unleaded Gasoline
92	1277 07/07/92	Exxon		4999 Scenic Hwy	Methane
92	1513 08/05/92	Exxon		4999 Scenic Hwy	Quench Oil (W/ Polycyclic Organic Matter)
92	1663 08/21/92	Exxon	Scenic Hwy		Contaminated Water
92	2222 10/24/92	Exxon	Exxon Scenic Hwy		Dimethyl formide, bisphenyl, methyl tertiary faletcher, butadine
† <sup>25</sup> 92	2258 10/23/92	Exxon	Exxon - Staring & Highland Rd		Gasoline
93	153 02/01/93	Exxon		4999 Scenic Hwy	Benzene waste water .5ppm
89	206 03/16/89	Exxon	Exxon		Benzene
91	633 05/01/91	Exxon		4999 Scenic Hwy	Hydrocarbon
85	71 03/19/85	Exxon LAP23005453	Thomas Scrap Yard on Scenic Hwy at Airline		Benzene & Treat Gas
92	1111 06/18/92	Exxon BR Refinery		4045 Scenic Hwy	Naptha
91	315 03/06/91	Exxon Baton Rouge Plastics	Scenic Hwy		Hydrocarbons
87	751 11/29/87	Exxon Chem. Americas		4999 Scenic Hwy	Ethylene Gas
87	482 08/07/87	Exxon Chemical			Methyl Chloride
87	570 09/12/87	Exxon Chemical		4999 Scenic Hwy	Methylene Chloride
88	401 05/12/88	Exxon Chemical	Exxon	4999 Scenic Hwy	Methyl Chloride
88	432 05/30/88	Exxon Chemical	Exxon Chemical		Methyl Chloride
88	537 06/29/88	Exxon Chemical	Exxon Chemical		Methyl Chloride
					Isophene Butylene & Methyl Chloride

TABLE 3 (CONTINUED)  
LDEQ EMERGENCY RESPONSE SPILLS  
1985 - 1993

LOG #	DATE	GENERATOR	LOCATION	ADDRESS	MATERIAL
88	600 07/17/88	Exxon Chemical	Scenic Hwy		Spent Sulfuric Acid
88	840 07/29/88	Exxon Chemical	Scenic Hwy		Methyl Chloride
88	857 09/28/88	Exxon Chemical	Exxon Chemical		Toxic Gas
88	1133 12/26/88	Exxon Chemical	Scenic Hwy		Methyl Chloride
89	202 03/16/89	Exxon Chemical		4999 Scenic Hwy	Methyl Chloride
89	203 03/16/89	Exxon Chemical		4999 Scenic Hwy	Fire Fighting Foam
89	487 06/03/89	Exxon Chemical	Scenic Hwy		Gasoline
89	585 07/02/89	Exxon Chemical	Exxon Chemical		Methyl Chloride
89	623 07/14/89	Exxon Chemical	Scenic Hwy		Methyl Chloride
89	766 08/28/89	Exxon Chemical		4999 Scenic Hwy	Methyl Chloride
89	804 09/07/89	Exxon Chemical	Ave O & 10th St		Propane vapor
89	831 09/15/89	Exxon Chemical	Scenic Hwy		Bromine
89	879 09/28/89	Exxon Chemical	Exxon Chemical		Carbon Monoxide, Sulphur Dioxide
89	1262 12/29/89	Exxon Chemical	Exxon		Benzene
90	9 01/03/90	Exxon Chemical		4999 Scenic Hwy	D002 Waste
90	12 01/03/90	Exxon Chemical		4999 Scenic Hwy	Benzene
90	18 01/04/90	Exxon Chemical		4999 Scenic Hwy	Benzene
90	24 01/04/90	Exxon Chemical		4999 Scenic Hwy	Udextraffinate
90	32 01/06/90	Exxon Chemical		4999 Scenic Hwy	Benzene
90	45 01/08/90	Exxon Chemical		4999 Scenic Hwy	Benzene
90	68 01/11/90	Exxon Chemical	Scenic Hwy		Hydrocarbons & Benzene
90	91 01/18/90	Exxon Chemical		4999 Scenic Hwy	Chloromethane
90	129 01/28/90	Exxon Chemical		4999 Scenic Hwy	Benzene
90	231 02/19/90	Exxon Chemical		4999 Scenic Hwy	Chloromethane
90	257 02/27/90	Exxon Chemical	Exxon Chemical		K049 Waste Stop Oil, Emulsion Thiolate
90	271 03/01/90	Exxon Chemical		4999 Scenic Hwy	Varsol & Hydrogen
90	301 03/07/90	Exxon Chemical	Scenic Hwy		Benzene
90	343 03/17/90	Exxon Chemical		4999 Scenic Hwy	MEK
90	524 04/27/90	Exxon Chemical		4999 Scenic Hwy	70% Benzene Mixed with Gas
90	600 05/14/90	Exxon Chemical	Scenic Hwy		Unknown
90	623 05/17/90	Exxon Chemical	Scenic Hwy		Phosphoric Acid
90	624 05/17/90	Exxon Chemical	Scenic Hwy		Sulphur Dioxide
90	626 05/18/90	Exxon Chemical		4999 Scenic Hwy	Flare
90	634 05/21/90	Exxon Chemical	Scenic Hwy		Benzene
90	730 06/12/90	Exxon Chemical		4999 Scenic Hwy	C-7 Aldehyde
90	826 06/26/90	Exxon Chemical	Scenic Hwy		Benzene & Toluene
90	1016 08/04/90	Exxon Chemical		4999 Scenic Hwy	Methyl Chloride, Hydrogen Chloride
90	1084 08/15/90	Exxon Chemical		4999 Scenic Hwy	Flare
90	1161 08/31/90	Exxon Chemical	Exxon Chemical		Methyl Chloride
90	1167 09/02/90	Exxon Chemical		4999 Scenic Hwy	Sulfuric Acid & Butine
90	1173 09/03/90	Exxon Chemical		4999 Scenic Hwy	Benzene
90	1286 09/20/90	Exxon Chemical	Scenic Hwy		Halobutyl Rubber Section
90	1289 09/24/90	Exxon Chemical	Scenic Hwy		Hydrocarbon of 70%
90	1312 09/25/90	Exxon Chemical	Scenic Hwy		Benzene
90	1524 10/29/90	Exxon Chemical		4999 Scenic Hwy	Benzene
90	1549 11/02/90	Exxon Chemical	Exxon Chemical		Benzene
90	1603 11/13/90	Exxon Chemical		4999 Scenic Hwy	Benzene
90	1715 12/03/90	Exxon Chemical		4999 Scenic Hwy	Ethylene
90	1719 12/03/90	Exxon Chemical	Scenic Hwy		Carbon Dioxide & Hydrogen
90	1760 12/11/90	Exxon Chemical		4999 Scenic Hwy	Carbon Monoxide, Hydrogen, Methane
90	1764 12/12/90	Exxon Chemical		4999 Scenic Hwy	Benzene C5 or C6 Solvent
90	1770 12/12/90	Exxon Chemical		4999 Scenic Hwy	C13 Alcohol



TABLE 3 (CONTINUED)  
LDEQ EMERGENCY RESPONSE SPILLS  
1985 - 1993

LOG #	DATE	GENERATOR	LOCATION	ADDRESS	MATERIAL
90	1783 12/13/90	Exxon Chemical		4999 Scenic Hwy	Pthalic Anhydric Vapor
91	86 01/18/91	Exxon Chemical		4999 Scenic Hwy	Ethane Propane & Ethylene
91	110 01/21/91	Exxon Chemical	Scenic Hwy		Mixed Butylenes
91	153 01/31/91	Exxon Chemical	Montesano Bayou		Oil
			North Baton Rouge		
91	213 02/10/91	Exxon Chemical	Scenic Hwy		Resin, 4% Benzene
91	280 02/27/91	Exxon Chemical	Scenic Hwy		Freon
91	296 03/01/91	Exxon Chemical	Scenic Hwy		O-Xylene
91	314 03/06/91	Exxon Chemical		4999 Scenic Hwy	Mixed Hydrocarbons
91	343 03/09/91	Exxon Chemical	Scenic Hwy		Methyl Chloride
91	400 03/26/91	Exxon Chemical		4999 Scenic Hwy	Propane
91	457 04/02/91	Exxon Chemical	Exxon Chemical		Hexane
91	469 04/02/91	Exxon Chemical	Scenic Hwy		Hexane
91	477 04/04/91	Exxon Chemical	Exxon		Unknown
91	478 04/05/91	Exxon Chemical	Exxon Chemical		Napthalene
91	495 04/06/91	Exxon Chemical	Exxon Chemical		Butadiene
91	522 04/15/91	Exxon Chemical	Scenic Hwy		Propylene
91	583 04/23/91	Exxon Chemical	Scenic Hwy		Hydrocarbons with 30% Benzene
91	713 04/09/91	Exxon Chemical		4999 Scenic Hwy	Hexane
91	717 04/18/91	Exxon Chemical	Scenic Hwy		Hexane Methyl Chloride
91	853 06/03/91	Exxon Chemical		4999 Scenic Hwy	Ethylene & Ethane
91	863 06/04/91	Exxon Chemical	Scenic Hwy		Resin
91	967 06/20/91	Exxon Chemical	Scenic Hwy		Butadiene
91	1119 07/17/91	Exxon Chemical		4999 Scenic Hwy	Butadiene
†DB 91	1125 06/20/91	Exxon Chemical		12480 Scenic Hwy	Varsal
91	1126 07/08/91	Exxon Chemical		4999 Scenic Hwy	Methyl Chloride
91	1263 08/12/91	Exxon Chemical	Scenic Hwy		Methane
91	1290 08/05/91	Exxon Chemical		4999 Scenic Hwy	Propylene
91	1299 08/16/91	Exxon Chemical		4999 Scenic Hwy	Hexane
91	1308 08/18/91	Exxon Chemical	Exxon Chemical		Benzene
91	1508 09/16/91	Exxon Chemical		4999 Scenic Hwy	Benzene
91	1812 10/26/91	Exxon Chemical	Exxon Chemical		Flare Gas
91	1886 10/21/91	Exxon Chemical		4999 Scenic Hwy	Benzene-Water Mixture
91	1961 11/18/91	Exxon Chemical		4999 Scenic Hwy	Propylene
91	1975 11/19/91	Exxon Chemical		4999 Scenic Hwy	Ethylene
91	1998 11/25/91	Exxon Chemical		4999 Scenic Hwy	Hexane
91	2066 12/09/91	Exxon Chemical	IPA CC Unit		Mixed CA Gases
91	2101 11/24/91	Exxon Chemical		4999 Scenic Hwy	70% Benzene 25% Toluene
91	2102 12/04/91	Exxon Chemical		4999 Scenic Hwy	Butadiene
92	69 01/15/92	Exxon Chemical	Scenic Hwy		Hexane
92	79 01/17/92	Exxon Chemical			Ethylene
92	87 01/21/92	Exxon Chemical	Scenic Hwy		Benzene
92	110 01/27/92	Exxon Chemical	Scenic Hwy		Rubber Cement
92	151 02/05/92	Exxon Chemical		4999 Scenic Hwy	Hexane
92	230 02/25/92	Exxon Chemical		4999 Scenic Hwy	Propylene 100 lbs
92	232 02/25/92	Exxon Chemical		4999 Scenic Hwy	Propylene - over 1000
92	233 02/26/92	Exxon Chemical		4999 Scenic Hwy	Hexane - 5 lbs
92	242 02/25/92	Exxon Chemical	Exxon Chemical		Hexane
92	380 03/19/92	Exxon Chemical		4999 Scenic Hwy	Hexane, ENB
92	400 03/23/92	Exxon Chemical	Exxon Chemical		Ethylene
92	424 01/22/92	Exxon Chemical	Exxon Chemical (Oxy Unit) in the bluff area		Oxoalcohol (C13 Hydrocarbon)
92	440 03/27/92	Exxon Chemical		4999 Scenic Hwy	1,3 Butadiene (10 lbs)
92	627 04/23/92	Exxon Chemical	#4 Clude Unit		Propouelen, sulfuric acid
92	719 04/30/92	Exxon Chemical		4999 Scenic Hwy	Lube Oil
92	724 05/01/92	Exxon Chemical		4999 Scenic Hwy	Plant Shutdown

TABLE 3 (CONTINUED)  
LDEQ EMERGENCY RESPONSE SPILLS  
1985 - 1993

LOG #	DATE	GENERATOR	LOCATION	ADDRESS	MATERIAL
92	735 05/04/92	Exxon Chemical	Exxon Chemical Plant		Hexane
92	777 05/08/92	Exxon Chemical		4999 Scenic Hwy	Carbon Black Oil
92	796 05/12/92	Exxon Chemical		4999 Scenic Hwy	Hexane
92	802 05/13/92	Exxon Chemical		4999 Scenic Hwy	Hexane
92	811 05/13/92	Exxon Chemical		4999 Scenic Hwy	Hexane
92	813 05/13/92	Exxon Chemical		4999 Scenic Hwy	Hexene
92	814 04/22/92	Exxon Chemical		4999 Scenic Hwy	Exxate 700
92	846 05/18/92	Exxon Chemical		4999 Scenic Hwy	Hexane
92	857 05/18/92	Exxon Chemical		4999 Scenic Hwy	Butadiene
92	858 05/19/92	Exxon Chemical		4999 Scenic Hwy	Hexane
92	859 05/19/92	Exxon Chemical		4999 Scenic Hwy	Hexane 4 lbs
92	901 05/26/92	Exxon Chemical		4999 Scenic Hwy	Hexane
92	941 05/29/92	Exxon Chemical		4999 Scenic Hwy	Processed Waste Water (D018)
92	961 06/02/92	Exxon Chemical		4999 Scenic Hwy	Hexane
92	1026 06/09/92	Exxon Chemical		4999 Scenic Hwy	Hexane
92	1073 06/15/92	Exxon Chemical	Hollywood & Scenic Parking Lot	4999 Scenic Hwy	Untreated Water
92	1115 06/18/92	Exxon Chemical			Gasoline
92	1169 06/24/92	Exxon Chemical	Exxon Chemical EP LA South Unit		Ethane, Methane, & Ethylene
92	1201 06/29/92	Exxon Chemical		4999 Scenic Hwy	Hexene
92	1254 07/06/92	Exxon Chemical		4999 Scenic Hwy	Propylene & Heavier
92	1265 05/04/92	Exxon Chemical		4999 Scenic Hwy	Aldehydes
92	1292 07/09/92	Exxon Chemical		4999 Scenic Hwy	Trioecyl Alcohol
92	1390 07/22/92	Exxon Chemical		4999 Scenic Hwy	Hexane
92	1416 07/24/92	Exxon Chemical		4999 Scenic Hwy	Benzene
92	1560 08/10/92	Exxon Chemical		4999 Scenic Hwy	Hexane
92	1579 08/12/92	Exxon Chemical		4999 Scenic Hwy	Butadine
92	1593 08/13/92	Exxon Chemical		4999 Scenic Hwy	Butene
92	1650 08/20/92	Exxon Chemical		4999 Scenic Hwy	Hexane
92	1664 08/21/92	Exxon Chemical		4999 Scenic Hwy	Hexane
92	1699 08/31/92	Exxon Chemical		4999 Scenic Hwy	Chlorine
92	1738 09/02/92	Exxon Chemical		4999 Scenic Hwy	Dicyclopentdiene
92	1743 09/01/92	Exxon Chemical		4999 Scenic Hwy	Propylene
92	1752 09/03/92	Exxon Chemical		4999 Scenic Hwy	Hexane
92	1891 09/18/92	Exxon Chemical		4999 Scenic Hwy	Hexane
92	1969 09/25/92	Exxon Chemical	Exxon Chemical		Tank bottom sludge, low conc. benzene
92	1989 09/26/92	Exxon Chemical	Exxon Chemical (Oxo) Operating Unit		Tridecylalcohol
92	1992 09/26/92	Exxon Chemical	Exxon Chemical		Wastewater
92	2021 10/05/92	Exxon Chemical		4999 Scenic Hwy	Ethylene Glycol, Anti-freeze
92	2031 10/01/92	Exxon Chemical	RLA #3, In plant		Hexane
92	2072 10/08/92	Exxon Chemical	Exxon Chemical	4999 Scenic Hwy	Catalyst (Boron Triflouridex Water)
92	2338 11/05/92	Exxon Chemical		4999 Scenic Hwy	Benzene
92	2380 11/13/92	Exxon Chemical	NOTE: (All Year) Scenic Hwy	4999 Scenic Hwy	Permitted normal hexane
92	2468 11/24/92	Exxon Chemical			Methyl Chloride & HCl
92	2493 12/02/92	Exxon Chemical		4999 Scenic Hwy	Hexane
92	2559 12/03/93	Exxon Chemical		4999 Scenic Hwy	Benzene containing material
92	2646 12/23/92	Exxon Chemical		4999 Scenic Hwy	Hexane
92	2665 12/30/92	Exxon Chemical		4999 Scenic Hwy	Hexane
93	45 01/11/93	Exxon Chemical		4999 Scenic Hwy	Propylene with Propane mix, trace of acid

TABLE 3 (CONTINUED)  
LDEQ EMERGENCY RESPONSE SPILLS  
1985 - 1993

LOG #	DATE	GENERATOR	LOCATION	ADDRESS	MATERIAL
93	55 01/12/93	Exxon Chemical	Scenic Hwy Exxon Chemical		Hexane 30 lbs
93	87 01/19/93	Exxon Chemical		4999 Scenic Hwy	Dimethyl Sulfide
93	184 02/02/93	Exxon Chemical		4999 Scenic Hwy	Hexane 155 lbs
93	266 02/17/93	Exxon Chemical		4999 Scenic Hwy	Hexane 5 lbs
88	604 06/23/88	Exxon Chemical	Exxon Chemical		C9 - Aldehyde
92	287 06/05/92	Exxon Chemical		4999 Scenic Hwy	Hexane
85	50 03/01/85	Exxon Chemical America's	Exxon Chemical, Gulf States Road		Varsol - 500 Gallons
87	577 09/15/87	Exxon Chemical American		4999 Scenic Hwy	Methyl Chloride
87	178 04/06/87	Exxon Chemical Americas			Naptha
87	617 10/02/87	Exxon Chemical Americas	Exxon		Exxate 700 Solvent
87	721 11/12/87	Exxon Chemical Americas		4999 Scenic Hwy	Cyclopentane
87	721 11/12/87	Exxon Chemical Americas		4999 Scenic Hwy	Methyl Chloride
91	2112 12/12/91	Exxon Chemical Co		4999 Scenic Hwy	Hydrocarbon
† <sup>D8</sup> 92	1459 07/30/92	Exxon Chemical Resin Plant		12480 Scenic Hwy	TG5000
87	565 09/09/87	Exxon Chemical USA	Exxon		Unknown Gas
87	573 09/14/87	Exxon Chemical USA		4999 Scenic Hwy	Methyl Chloride
85	212 09/13/85	Exxon Chemical of America	I-10 & College Drive Overpass		Waste Water Treatment Sludge
91	719 04/23/91	Exxon Chemicals		4999 Scenic Hwy	Butadiene
91	720 04/25/91	Exxon Chemicals	Scenic Hwy		Benzene & Hydrocarbon
91	869 06/04/91	Exxon Chemicals	Scenic Hwy		Hexane
92	433 03/26/92	Exxon Chemicals		4999 Scenic Hwy	Mix Hydrocarbons (322 lbs) & 1,3 Butadiene (5.48 lbs)
92	1481 08/02/92	Exxon Chemicals		4999 Scenic Hwy	Hydrocarbons
88	387 05/17/88	Exxon Chemicals America		4999 Scenic Hwy	Phthalic Anhydrous
88	151 03/03/88	Exxon Chemicals Americas	Exxon Chemical		Bromine
87	723 11/12/87	Exxon Co USA, BR Refinery		4045 Scenic Hwy	Hydrocarbons
87	538 08/25/87	Exxon Co. Baton Rouge			Hydrochloric Acid
87	135 03/18/87	Exxon Co. USA			Hydrocarbons
87	592 09/23/87	Exxon Co. USA	Exxon Co. USA		PGO or Cat Feed
87	647 10/14/87	Exxon Co. USA			Hydrogen Sulfide
88	166 03/09/88	Exxon Co. USA	Exxon Refinery		Hydrocarbons
88	169 03/07/88	Exxon Co. USA		3325 Scenic Hwy	Jet Fuel
92	138 02/04/92	Exxon Company		4999 Scenic Hwy	Methane Hydrocarbon
92	1623 07/03/92	Exxon Company		4045 Scenic Hwy	K048
† <sup>22</sup> 85	75 03/26/85	Exxon Company USA - LAP230054823		13315 Old Hammond Hwy	Gasoline with water
85	310 07/24/85	Exxon Company, USA	Scenic Hwy & 78th Avenue		Naptha
91	1769 10/21/91	Exxon Company, USA		4045 Scenic Hwy	Sulfur Dioxide
89	160 02/27/89	Exxon Pipeline	Exxon Pipeline		Crude Oil
90	1378 10/04/90	Exxon Pipeline		18840 Highland Rd	Crude Oil
86	15 01/28/86	Exxon Refinery	Exxon Refinery	4045 Scenic Hwy	Butane
86	177 05/28/86	Exxon Refinery	Baton Rouge Exxon	4045 Scenic Hwy	Hydrocarbons
86	532 12/11/86	Exxon Refinery		4045 Scenic Hwy	Hydrocarbons

TABLE 3 (CONTINUED)  
LDEQ EMERGENCY RESPONSE SPILLS  
1985 - 1993

LOG #	DATE	GENERATOR	LOCATION	ADDRESS	MATERIAL
87	272 05/22/87	Exxon Refinery	Exxon	4045 Scenic Hwy	Cyclopentane
87	277 05/26/87	Exxon Refinery		4045 Scenic Hwy	Butadiene, Cyclopentane, Hydrocarbons
87	297 06/01/87	Exxon Refinery		4045 Scenic Hwy	Sulfuric Acid
87	302 06/01/87	Exxon Refinery		4045 Scenic Hwy	Diesel
87	319 06/11/87	Exxon Refinery		4045 Scenic Hwy	Oil
87	365 06/23/87	Exxon Refinery		4045 Scenic Hwy	Butadiene & Cyclopentane
87	366 06/23/87	Exxon Refinery		4045 Scenic Hwy	Butadiene & Cyclopentane
87	367 06/24/87	Exxon Refinery		4045 Scenic Hwy	Butadiene & Cyclopentane
88	119 02/22/88	Exxon Refinery		4045 Scenic Hwy	98% Sulfuric Acid
88	373 05/11/88	Exxon Refinery	Scenic Hwy	4045 Scenic Hwy	Diesel fire
88	526 06/17/88	Exxon Refinery	Exxon Refinery	4045 Scenic Hwy	Diesel
88	703 03/15/88	Exxon Refinery	Exxon Refinery	4045 Scenic Hwy	Non-Hazardous Sludge-Steam
88	1009 11/09/88	Exxon Refinery	Exxon Refinery	4045 Scenic Hwy	Asbestos
88	1019 11/11/88	Exxon Refinery	Exxon Refinery	4045 Scenic Hwy	Hydrogen Sulfide
89	28 01/10/89	Exxon Refinery	Exxon	4045 Scenic Hwy	Gasoline
89	255 03/30/89	Exxon Refinery	Scenic Hwy	4045 Scenic Hwy	Oil
89	262 03/29/89	Exxon Refinery	Scenic Hwy	4045 Scenic Hwy	Crude Oil
89	313 04/16/89	Exxon Refinery	Scenic Hwy	4045 Scenic Hwy	Active Flaring
89	383 05/04/89	Exxon Refinery	Scenic Hwy	4045 Scenic Hwy	Hydrocarbon
89	701 08/07/89	Exxon Refinery	Scenic Hwy	4045 Scenic Hwy	Sulfuric Acid
89	865 09/25/89	Exxon Refinery		4045 Scenic Hwy	None
89	986 10/29/89	Exxon Refinery	Exxon	4045 Scenic Hwy	Bromine
89	1022 11/07/89	Exxon Refinery		4045 Scenic Hwy	Oil
89	1224 12/23/89	Exxon Refinery	Exxon	4045 Scenic Hwy	None
89	1228 12/23/89	Exxon Refinery	Scenic Hwy	4045 Scenic Hwy	Flue Gases
89	1250 12/28/89	Exxon Refinery	Scenic Hwy	4045 Scenic Hwy	Benzene
89	1273 12/30/89	Exxon Refinery	Scenic Hwy	4045 Scenic Hwy	Benzene
89	1279 12/31/89	Exxon Refinery	Scenic Hwy	4045 Scenic Hwy	Benzene
89	1286 12/24/89	Exxon Refinery	Scenic Hwy	4045 Scenic Hwy	Diesel Fuel
90	30 01/06/90	Exxon Refinery		4045 Scenic Hwy	Chloromethane
90	34 01/07/90	Exxon Refinery		4999 Scenic Hwy	Benzene
90	187 02/10/90	Exxon Refinery		4999 Scenic Hwy	Gasoline
90	208 02/15/90	Exxon Refinery		4045 Scenic Hwy	Omega Crude Oil
90	268 02/25/90	Exxon Refinery	Scenic Hwy	4045 Scenic Hwy	Natural Gas
	Date	Generator	Location	Address	Material
90	439 04/08/90	Exxon Refinery	Mile Post 232		Oil
90	525 04/27/90	Exxon Refinery		4999 Scenic Hwy	Gasoline
90	531 04/27/90	Exxon Refinery		4999 Scenic Hwy	Heating Oil
90	594 05/12/90	Exxon Refinery	Scenic Hwy	4045 Scenic Hwy	Hydrocarbons
90	658 05/24/90	Exxon Refinery	Scenic Hwy - Docks		Asphalt
90	684 05/31/90	Exxon Refinery	Scenic Hwy	4045 Scenic Hwy	Hydrocarbons
90	726 06/11/90	Exxon Refinery	Scenic Hwy	4045 Scenic Hwy	Hydrocarbon
90	739 06/13/90	Exxon Refinery	Scenic Hwy	4045 Scenic Hwy	Hydrocarbon
90	740 06/13/90	Exxon Refinery	Scenic Hwy	4045 Scenic Hwy	Hydrocarbons & Benzene
90	1028 08/07/90	Exxon Refinery	Scenic Hwy	4045 Scenic Hwy	Hydrogen Sulfide
90	1128 08/24/90	Exxon Refinery	Scenic Hwy	4045 Scenic Hwy	Sulfur
90	1132 08/22/90	Exxon Refinery	Scenic Hwy	4045 Scenic Hwy	Ammonia Acid Gas
90	1133 08/23/90	Exxon Refinery	Scenic Hwy	4045 Scenic Hwy	Natural Gas with Benzene
90	1141 08/28/90	Exxon Refinery	Scenic Hwy	4045 Scenic Hwy	Gasoline
90	1142 08/28/90	Exxon Refinery		4999 Scenic Hwy	Hydrocarbon, Ethylene, Propylene
90	1162 09/01/90	Exxon Refinery	Exxon Refinery	4045 Scenic Hwy	Gasoline
90	1198 09/07/90	Exxon Refinery	Scenic Hwy	4045 Scenic Hwy	Gasoline & Oil Spray
90	1203 09/07/90	Exxon Refinery	Scenic Hwy	4045 Scenic Hwy	Hydrogen Sulfide &

TABLE 3 (CONTINUED)  
LDEQ EMERGENCY RESPONSE SPILLS  
1985 - 1993

LOG #	DATE	GENERATOR	LOCATION	ADDRESS	MATERIAL
90	1271 09/18/90	Exxon Refinery	Scenic Hwy	4045 Scenic Hwy	Hydrocarbon
90	1345 09/29/90	Exxon Refinery	Exxon Refinery, MS River	4045 Scenic Hwy	Catalyst Crude Oil
90	1372 10/03/90	Exxon Refinery	Mile 32 Exxon Dock Miss River		Diisononylphthalate (DINT)
90	1400 10/09/90	Exxon Refinery	Scenic Hwy	4045 Scenic Hwy	Hydrocarbon/Hydrogen Sulfide
90	1428 10/15/90	Exxon Refinery	Scenic Hwy	4045 Scenic Hwy	Oxo Alcohol
90	1509 10/27/90	Exxon Refinery	Scenic Hwy	4045 Scenic Hwy	Sulfur Dioxide
90	1533 10/29/90	Exxon Refinery	Scenic Hwy	4045 Scenic Hwy	Benzene
90	1636 11/20/90	Exxon Refinery		4045 Scenic Hwy	Diesel
90	1794 12/17/90	Exxon Refinery	Dock on Baton Rouge Side	4045 Scenic Hwy	Mixed Oil
90	1823 12/21/90	Exxon Refinery	Exxon Dock Mile 232 MS River		Oil
90	1857 12/27/90	Exxon Refinery	Scenic Hwy	4045 Scenic Hwy	Unknown
91	35 01/09/91	Exxon Refinery	Sulfur Plant #200 Unit	4045 Scenic Hwy	Hydrogen Sulfide
91	56 01/13/91	Exxon Refinery	Exxon Refinery	4045 Scenic Hwy	Ammonia Acid Gas
91	180 02/05/91	Exxon Refinery	Waste Water Treatment Facility	4045 Scenic Hwy	Oil
91	258 02/21/91	Exxon Refinery	Scenic Hwy	4045 Scenic Hwy	Hydrocarbons, Hydrogen Sulfide, Benzene
91	270 02/24/91	Exxon Refinery	MS River Milemarker 232		Unleaded Gasoline
91	276 02/26/91	Exxon Refinery	Dock		Unleaded Gasoline
91	277 02/26/91	Exxon Refinery	Dock		Oil
91	283 02/28/91	Exxon Refinery	Dock		Diesel & Motor Gasoline
91	299 03/01/91	Exxon Refinery	South of Exxon Docks	4045 Scenic Hwy	Processed Gas Oil
91	306 03/03/91	Exxon Refinery	Scenic Hwy	4045 Scenic Hwy	Oil
91	349 03/11/91	Exxon Refinery	Scenic Hwy	4045 Scenic Hwy	Crude Oil
91	382 03/21/91	Exxon Refinery	Exxon Refinery	4045 Scenic Hwy	Anthrozone
91	395 03/25/91	Exxon Refinery	Scenic Hwy	4045 Scenic Hwy	Fire
91	480 04/05/91	Exxon Refinery	Refinery Dock #2 Berth		Gasoline
91	483 04/08/91	Exxon Refinery	MS River Dock Westside		Jet A
91	496 04/08/91	Exxon Refinery	Exxon Refinery	4045 Scenic Hwy	SO2
91	615 04/29/91	Exxon Refinery	NPDES Outfall 003	4045 Scenic Hwy	Oil
91	703 05/08/91	Exxon Refinery	Scenic Hwy	4045 Scenic Hwy	Hydrocarbons, Hydrogen Sulfide, Benzene
91	714 04/10/91	Exxon Refinery	Exxon Refinery	4045 Scenic Hwy	Hydrogen Sulfide & Hercpc
91	745 05/02/91	Exxon Refinery	Refinery	4045 Scenic Hwy	Sodium Hydroxide
91	1033 06/27/91	Exxon Refinery	MS River Milepost 232		Heavy Fuel Oil
91	1060 07/02/91	Exxon Refinery	Refinery Dock		Oil
91	1242 08/07/91	Exxon Refinery	MM 232 on MS River		Flux Oil & Aromatic Concentrate
91	1261 08/12/91	Exxon Refinery	Scenic Hwy	4045 Scenic Hwy	Propane
91	1302 08/17/91	Exxon Refinery	Exxon Refinery	4045 Scenic Hwy	SO2
91	1334 08/12/91	Exxon Refinery	Scenic Hwy	4045 Scenic Hwy	Gasoline & Oil
91	1339 08/22/91	Exxon Refinery	Scenic Hwy	4045 Scenic Hwy	SO2
91	1358 08/26/91	Exxon Refinery	Exxon Refinery	4045 Scenic Hwy	Hydrogen Sulfide & Sulfur Dioxide
91	1365 08/27/91	Exxon Refinery	Scenic Hwy	4045 Scenic Hwy	Hydrocarbon
91	1491 08/27/91	Exxon Refinery	Scenic Hwy	4045 Scenic Hwy	Caustic Soda
91	1560 09/23/91	Exxon Refinery		4045 Scenic Hwy	Hydrocarbons



TABLE 3 (CONTINUED)  
LDEQ EMERGENCY RESPONSE SPILLS  
1985 - 1993

LOG #	DATE	GENERATOR	LOCATION	ADDRESS	MATERIAL
91	1581	09/27/91	Exxon Refinery	Milepost 232 MS River	Decyl-Alcohol
91	1620	10/01/91	Exxon Refinery	4045 Scenic Hwy	Non-Methane Hydrocarbon
91	1686	10/09/91	Exxon Refinery	4045 Scenic Hwy	Crude Oil (DRILL)
91	1747	10/01/91	Exxon Refinery	4045 Scenic Hwy	Sulfuric Acid
91	2174	12/27/91	Exxon Refinery	Dock 232 MS River	Fuel Oil
91	2175	12/27/91	Exxon Refinery	Exxon Refinery	Propane
92	120	01/29/92	Exxon Refinery	Exxon Refinery Docks, Miss River	Lube Oil
92	252	02/27/92	Exxon Refinery	4045 Scenic Hwy	K048 Waste
92	284	03/05/92	Exxon Refinery	Scenic Hwy	Crude Oil
92	288	03/05/92	Exxon Refinery	4045 Scenic Hwy	Aviation Gasoline
92	303	03/06/92	Exxon Refinery	4045 Scenic Hwy	H2S
92	349	03/16/92	Exxon Refinery	#106 Tank Exxon	Heavy Coker Gas Oil
92	441	03/27/92	Exxon Refinery	4045 Scenic Hwy	Hydrocarbons
92	782	05/11/92	Exxon Refinery	4045 Scenic Hwy	#2 Diesel
92	874	05/20/92	Exxon Refinery	4045 Scenic Hwy	Hydrocarbons
92	995	06/02/92	Exxon Refinery	Exxon Dock MP 232	Oil
92	1043	06/07/92	Exxon Refinery	4999 Scenic Hwy	Gasoline
92	1046	06/11/92	Exxon Refinery	Code 10	Small Electrical Fire - South End
92	1047	06/11/92	Exxon Refinery	4999 Scenic Hwy	Small fire center ref - contained in tank
92	1053	06/11/92	Exxon Refinery	Exxon Refinery	Separator Oil
92	1122	06/19/92	Exxon Refinery	Exxon BR Refinery	Black Smoke
92	1213	06/30/92	Exxon Refinery	Callahan Bayou	Waste Oil
92	1228	07/01/92	Exxon Refinery	4045 Scenic Hwy	DAF Float
92	1261	07/06/92	Exxon Refinery	4045 Scenic Hwy	Hydrocarbon
92	1267	05/15/92	Exxon Refinery	4999 Scenic Hwy	Jet A Fuel
92	1268	05/15/92	Exxon Refinery	4999 Scenic Hwy	Jet Fuel
92	1460	07/29/92	Exxon Refinery	4045 Scenic Hwy	DAF Sludge
92	1538	08/06/92	Exxon Refinery	4045 Scenic Hwy	Hydrocarbons
† <sup>D7</sup> 92	1584	08/13/92	Exxon Refinery	Maryland Tank Farm, off Hwy 19, near Scotlandville	F037 & F038 Primary Sludge
92	1588	08/13/92	Exxon Refinery	4045 Scenic Hwy	Jet Fuel
92	1684	08/25/92	Exxon Refinery	4045 Scenic Hwy	ADF Sludge K048
92	1711	09/01/92	Exxon Refinery	Scenic Hwy	Light Hydrocarbons
92	1746	08/21/92	Exxon Refinery	4999 Scenic Hwy	API Sludge
92	1915	09/22/92	Exxon Refinery	Exxon Refinery, Scenic & Mohican	Catalyst
92	1973	09/28/92	Exxon Refinery	Mile 232 Mississippi River	Jet A
92	1985	09/26/92	Exxon Refinery	Exxon Refinery Scenic Hwy	Fuel Oil
92	1986	09/27/92	Exxon Refinery	Exxon Refinery-East Area Tankfield	Crude Oil
92	1997	09/27/92	Exxon Refinery	Exxon Refinery, Wastewater Blending Unit	K048 Sludge
92	2012	10/02/92	Exxon Refinery	Exxon Refinery Dock	Crude Oil
92	2016	10/02/92	Exxon Refinery	Exxon Refinery, #5 Berth Exxon Dock	Hydraulic Fluid
92	2080	10/09/92	Exxon Refinery	4999 Scenic Hwy	S02
92	2164	10/16/92	Exxon Refinery	4045 Scenic Hwy	Transformer Oil (PCB)
92	2208	10/22/92	Exxon Refinery	Scenic Hwy	Gas Additives
92	2215	10/23/92	Exxon Refinery	Exxon Refinery Docks	Methyl Tertiary Butal Ether

TABLE 3 (CONTINUED)  
LDEQ EMERGENCY RESPONSE SPILLS  
1985 - 1993

LOG #	DATE	GENERATOR	LOCATION	ADDRESS	MATERIAL
92	2284	10/29/92	Exxon Refinery	4045 Scenic Hwy	Hydrocarbons
92	2315	11/03/92	Exxon Refinery	4045 Scenic Hwy	Jet Fuel
92	2328	11/04/92	Exxon Refinery	4045 Scenic Hwy	motor gasoline blending component
92	2390	11/13/92	Exxon Refinery	4045 Scenic Hwy	Coker Feed
92	2624	12/21/92	Exxon Refinery	4045 Scenic Hwy	Gasoline
92	2659	12/29/92	Exxon Refinery	4045 Scenic Hwy	Gasoline
93	67	01/14/93	Exxon Refinery	4045 Scenic Hwy	Hydrocarbon (maybe)
93	92	01/19/93	Exxon Refinery	4045 Scenic Hwy	C4-C9 Olefins
93	96	01/20/93	Exxon Refinery	4045 Scenic Hwy	Oil Sheen
93	138	01/27/93	Exxon Refinery	4045 Scenic Hwy	Process Gas Oil
88	440	06/01/88	Exxon Refinery	Ave J at 12th St	Naptha
92	1755	09/03/92	Exxon Refinery	4999 Scenic Hwy	Naptha
91	927	06/13/91	Exxon Refinery Docks	South of #1 Berth	Unknown
87	484	08/10/87	Exxon Refinery USA	4045 Scenic Hwy	Sulfuric Acid
87	215	04/23/87	Exxon Refinery, USA	4045 Scenic Hwy	Aromatic Concentrate
87	243	05/05/87	Exxon Refinery, USA	4045 Scenic Hwy	Butadiene Cylopentane
87	170	03/26/87	Exxon Refinery, USA	4045 Scenic Hwy	98% Sulfuric Acid
			LAP230058847		
† <sup>D7</sup> 86	81	04/07/86	Exxon Refining	Maryland Tank Farm	Toluene
91	131	01/28/91	Exxon Shipping	MS River	Calora (Oil)
91	1138	07/19/91	Exxon Shipping	Southgate Landing	Lube Oil
† <sup>26</sup> 89	92	02/01/89	Exxon Station	Highland & Starring	Gasoline
90	915	07/11/90	Exxon Station	2020 O'Neal Lane	Diesel
† <sup>D7</sup> 89	204	03/16/89	Exxon Tank Farm	Exxon Tank Farm	Naptha
87	509	08/18/87	Exxon USA		Light Naptha
87	550	09/03/87	Exxon USA	4045 Scenic Hwy	Sulfuric Acid
91	2159	12/20/91	Exxon USA	Scenic Hwy	Butadiene, 1,3&1,2 Vinyl
					Acetylene & Methane
90	1878	11/19/90	Fleet Transport	Siegen Lane	Heavy Naptha
			LAP230066025		
92	64	01/15/92	Fleetline Inc	10000 block South	Diesel
			Purdue		
90	1185	09/05/90	Fontenot Oil Co	Airline Hwy	Butane
87	250	05/12/87	Formosa	Gulf States Road	Ethylene Dichloride, HCl
					acid, Vinyl Chloride
87	253	05/13/87	Formosa	Gulf States Road	Tethylene
90	792	06/21/90	Formosa	GSU Road	
90	880	07/07/90	Formosa	Formosa	Vinyl Chloride Monomer
90	916	07/11/90	Formosa	Formosa	Vinyl
90	1299	09/21/90	Formosa	Gulf States Rd	Chlorine Gas
92	1097	06/17/92	Formosa	Gulf States Rd	Black Smoke from Flare
90	601	05/08/90	Formosa Chemical	Formosa Chemical	Vinyl Chloride
86	97	04/17/86	Formosa Plastics	Formosa Plastics	Vinyl Chloride Monomer
86	159	05/19/86	Formosa Plastics	Formosa Plastics	HCl
87	342	06/16/87	Formosa Plastics		Vinyl Chloride
87	747	11/24/87	Formosa Plastics		Diesel
88	1125	12/21/88	Formosa Plastics	Gulf States Rd	Ethylene Dichloride vapor
89	484	06/01/89	Formosa Plastics	Formosa Plastics	Vinyl Chloride
89	504	06/08/89	Formosa Plastics	Scenic Hwy	Hydrochloric Acid (Gas)
90	239	02/21/90	Formosa Plastics	Gulf States Rd	Vinyl Chloride Monomer
90	410	04/10/90	Formosa Plastics	Gulf States Rd	Vinyl Chloride
90	469	04/17/90	Formosa Plastics	Gulf States Rd	Vinyl Chloride Monomer
90	520	04/25/90	Formosa Plastics	Formosa Plastics	Hydrochloric Acid
90	1590	11/13/90	Formosa Plastics	End of Gulf States Rd	Vinyl Chloride & EOC

TABLE 3 (CONTINUED)  
LDEQ EMERGENCY RESPONSE SPILLS  
1985 - 1993

LOG #	DATE	GENERATOR	LOCATION	ADDRESS	MATERIAL
91	842 05/31/91	Formosa Plastics	off GSU Rd North		Vinyl Chloride & Ethyl
91	884 06/06/91	Formosa Plastics	Baton Rouge		Dichloride
91	1751 10/10/91	Formosa Plastics	Formosa Plastics		VCM
			Powerhouse		Oil
			Substation		
91	1758 10/18/91	Formosa Plastics	Formosa Plastics		Vinyl Chloride
91	1906 11/07/91	Formosa Plastics	Gulf States Rd		Ethylene Dichloride
91	1921 11/09/91	Formosa Plastics	Formosa Plastics		Oil
91	2141 12/18/91	Formosa Plastics	GSU Rd		Ethylene Dichloride
92	348 03/16/92	Formosa Plastics	Gulf States Road		1,2 Dichloroethane
92	922 05/28/92	Formosa Plastics	Gulf States Rd		Vinyl Chloride
92	1177 06/24/92	Formosa Plastics	Gulf States Rd		Vinyl Chloride
92	1908 09/21/92	Formosa Plastics	Gulf States Rd		Vinyl Chloride
92	2002 09/30/92	Formosa Plastics	GSU Road		Vinyl Chloride, EDC
92	2118 10/13/92	Formosa Plastics	Formosa Plant		Ethylene Dichloride
93	223 02/10/93	Formosa Plastics	GSU Road		Vinyl Chloride
90	978 07/25/90	Formosa Plastics	Gulf States Rd		Vinyl Chloride
89	212 03/17/89	G.E. Gilmore Trucking	Plank Rd		Diesel Fuel, 30 gals/Reuse
89	264 03/29/89	GSU	Coursey & Hickory Ridge		Transformer Oil
89	395 05/09/89	GSU		5149 Baton Rouge Ave	Mineral Oil
89	505 06/08/89	GSU		6254 Marionette Dr	Transformer Oil
89	506 06/08/89	GSU		8857 Cefalu St	Transformer Oil
89	508 05/25/89	GSU		1707 S Brightside View	Transformer Oil
90	834 06/27/90	GSU	LA 72 & LA 948		Natural Gas
90	1320 09/17/90	GSU		2900 Winnebago	PCB Transformer
90	1450 09/05/90	GSU		10451 Mammoth Dr	Transformer Oil
90	1672 10/18/90	GSU		17118 Florida Blvd	Transformer Oil
91	156 01/18/91	GSU	Siegen Lane		Natural Gas
91	813 05/22/91	GSU		10230 Florida Blvd	Natural Gas
91	1557 09/19/91	GSU	Foster & Florida		Natural Gas
91	2126 12/16/91	GSU	Perkins Rd		Natural Gas
92	1539 08/06/92	GSU	N Harvey Rd		Transformer Oil
92	1691 08/29/92	GSU		275 Dentation Dr	Transformer Oil
92	1710 08/31/92	GSU	Cedar St, close to Exxon		Transformer Oil
92	1897 09/21/92	GSU	Fast Track - Stan & N Sherwood Forest		Fire Natural Gas
92	2469 11/25/92	GSU	Scenic at Mengle		Natural Gas
93	84 01/18/93	GSU		11875 Lovett Rd	Natural Gas
90	1108 08/19/90	GSU - Gas Dept	Florida Blvd at Sharp Rd	10070 Florida Blvd	Natural Gas
91	2072 12/09/91	GSU - Gas Dept		14168 Frenchtown	Natural Gas
91	1879 11/05/91	Gamco Trucking	Sullivan Rd at Bon Dickie		Diesel, Hydraulic fluid, Antifreeze (5 drums diesel - soaked with diesel)
87	730 11/16/87	Gas Analytical Services		10172 Mammoth Drive	Hydrogen Chloride
88	861 09/20/88	Gaylord Chemical	Florida Blvd		Dimethyl Sulfoxide
91	673 04/27/91	Glen Oaks High School		6650 Cedar Grove	Hydrochloric Acid, Lead Oxide
85	267 06/21/85	Grant Chemical	Grant Chemical Co. US-61 & W Irene Rd		Metallic Sodium & Oil
88	1131 12/22/88	Grant Chemical	US 61		Phostri Chloride
89	1069 11/16/89	Grant Chemical	Irene Rd off Hwy 61		Dioxlene 1,4

TABLE 3 (CONTINUED)  
LDEQ EMERGENCY RESPONSE SPILLS  
1985 - 1993

LOG #	DATE	GENERATOR	LOCATION	ADDRESS	MATERIAL
90	602 05/10/90	Grant Chemical	Grant Chemical		Phosphorus Trichloride
92	597 04/20/92	Grant Chemical	US Hwy 61 N at Irene Rd-Plant		Unknown
88	562 07/11/88	Grant Chemical	US 61 North at Irene Rd		Grant Chemical
91	1002 06/14/91	Gremillion Farms	Carney Rd & Old Scenic Hwy		Anhydrous Ammonia
87	405 07/02/87	Groendyke, Inc.	I-12 Amite River Bridge		Diesel Fuel
87	483 08/09/87	Gulf Chevron USA, Inc.		7200 Airline	Gasoline
89	668 07/29/89	Gulf Gas Station		1300 Highland Rd	Gasoline
89	1252 12/28/89	Gulf States	Woodpecker & Ave M		Natural Gas
92	658 04/28/92	Gulf States	Tiger Bend Rd 500 yds east of East Achord		Natural Gas
92	1219 06/30/92	Gulf States		7102 Greenwell Springs Rd	Transformer Oil
92	1318 07/15/92	Gulf States		2559 Plank Rd	Natural Gas
92	1087 06/16/92	Gulf States Material		11175 Florida Blvd	Oil 1/2 gallon
87	532 08/24/87	Gulf States Utilities		7577 Lasalle Street	PCB
87	581 09/02/87	Gulf States Utilities		5555 Berkshire	PCB Oil
87	653 09/09/87	Gulf States Utilities		2040 Beaumont	PCB Oil
87	654 09/19/87	Gulf States Utilities		7885 Seven Oaks	Electrical Transformer Oil
† <sup>00</sup> 88	2 01/06/88	Gulf States Utilities	Allied Signal Plant	12735 Scenic Hwy	Mineral Oil containing PCB
88	153 03/03/88	Gulf States Utilities	1 block South on Fontainbleu	445 W Chaufont	PCB
88	371 05/08/88	Gulf States Utilities		1437 Cyril St	Electrical Transformers
88	804 09/02/88	Gulf States Utilities		155 Marilyn	PCB
88	822 09/20/88	Gulf States Utilities	College Dr & Perkins		Natural Gas
88	1023 11/13/88	Gulf States Utilities	Gardere and Burbank Dr		Ethyl Mercaptan
88	1164 12/21/88	Gulf States Utilities	Nicholson & Gardere		Transformer
89	620 06/23/89	Gulf States Utilities		14215 Florida Blvd	Transformer Oil, 2 gals removed
90	94 01/19/90	Gulf States Utilities	Scenic & Mills		Natural Gas
90	296 03/08/90	Gulf States Utilities	East Buchanan & Virginia		Natural Gas
90	313 03/11/90	Gulf States Utilities	GSU Road		Transformer Oil
90	652 05/23/90	Gulf States Utilities		13933 Greenwell Springs R	Natural Gas
90	1199 09/07/90	Gulf States Utilities	Highland Rd		Mercaptan
91	824 05/29/91	Gulf States Utilities	Chippewa & Plank		Natural Gas
91	905 06/11/91	Gulf States	Spanish Town & Canal		Natural Gas

TABLE 3 (CONTINUED)  
LDEQ EMERGENCY RESPONSE SPILLS  
1985 - 1993

LOG #	DATE	GENERATOR	LOCATION	ADDRESS	MATERIAL
91	1092 07/12/91	Utilities Gulf States	St Frenchtown & Country		Natural Gas
91	1203 07/11/91	Utilities Gulf States	Rd Myrtle At 17th St		Transformer Oil
91	1536 09/19/91	Utilities Gulf States	Off of Clark Rd		Transformer Oil
91	1994 11/21/91	Utilities Gulf States		5671 Longfellow	Diesel
92	533 04/10/92	Utilities Gulf States	Off Sherwood before R/R Tracks at S	11828 Richcross	Transformer Oil
89	654 07/20/89	Utilities Gulf Station	Choctaw Highland & Terrace		Gasoline
91	1745 10/17/91	Hartco Industries	MS River		Corn Pellets & Grain Gas
92	1744 08/05/92	Hartman Enterprise	Moler Rd off Antioch		Emulsified Asphalt
87	568 09/11/87	Heck Ind		5415 Choctaw	Cement
90	1000 07/30/90	Hemco Transmission	Hemco Transmission George		Oil
85	276 12/13/85	Hernandez Ice House	Hernandez Ice House Myrtle & 12th		Ammonia
89	1039 11/09/89	Hertz Car Rental	General Chenault Dr		Gasoline
90	1266 09/19/90	Hi Pure or Delta American		7102 Greenwell Springs	Unknown
91	1207 07/25/91	Hi-Port, Inc		1100 Mingle Rd	Anti-freeze
† <sup>30</sup> 88	655 07/28/88	Highway Pipeline Trucking	Hooper & Shady Bluff		Diesel
89	468 05/20/89	Hines Hall	Hines Hall		Hydrochloric Sodium Dicromatic
90	1003 07/31/90	Holliday Trailer Park	Old Hammond Hwy		Burning Trash
86	345 08/25/86	Holstine Trucking Co.	S. 10th & South Blvd.		Diesel
89	209 03/17/89	Hydro-Chem	Perkins Rd		Crank case oil & diesel, 10 gals of debris
98	1412 10/11/90	IC Railroad	Riverside & Choctaw		Hydrochloric Acid
87	239 05/01/87	ICG	ICG Yard		Vinyl Chloride
90	62 01/10/90	ICGGR		620 Front St	Alumina Powder
91	1566 09/24/91	Ideal Cleaners	Plank Rd at Iraquo St		Natural Gas
92	428 03/26/92	Illinois Central		2400 N Riverside	Sulfuric Acid spent
86	396 09/24/86	Illinois Central Gulf	Baton Rouge Yard		Spent Aluminum Chloride Solution
88	1062 11/18/88	Illinois Central Railroad		2400 Riverside Dr	Petroleum Naptha
91	1527 09/18/91	Illinois Central Railroad	Illinois Central Railroad		Tetrahydrofuran
92	221 02/11/92	Imperial Industries 460 N Beck	Wards between North Blvd & Florida Blvd		Green liquid dye, pylaktor brilliant green-LX6391A
86	80 04/03/86	Industrial Electrical Supply, Inc.	Mammoth Drive		PVC
92	2149 10/15/92	Ingram Barge	Capital Marine Fleet		Thermal Oil
91	1206 07/25/91	Interplastic Distribution Group		7075 Airline Hwy	Wood, drum of resin & cumene, hydroperoxide
87	689 10/29/87	J.R. Stewart Con		1-12 O'Neal Lane	Diesel
89	1024 11/07/89	Jensun Fish Company	MS River Bridge		Diesel
89	1096 11/27/89	Jiffy Lube		9515 Airline	Used Oil



TABLE 3 (CONTINUED)  
LDEQ EMERGENCY RESPONSE SPILLS  
1985 - 1993

LOG #	DATE	GENERATOR	LOCATION	ADDRESS	MATERIAL
89	1065 11/16/89	Name removed	I-12 Eastbound at O'Neal Lane		Diesel
92	1646 08/19/92	Joe Christiana Produce		2055 Sorrel	Ammonia
90	432 04/05/90	Name removed		9145 Delmar	Malathion
87	270 05/21/87	John N. John III, Inc.			Diesel Fuel
90	797 06/22/90	Name removed		5678 D'Juama Drive	Muratic Acid
88	101 02/09/88	John's Auto Body Shop		9770 Castille Rd	Acetylene
91	1454 09/07/91	Jotco/Shell Oil Co	Little John at 11982 Florida Blvd		Gasoline Vapor
89	481 05/31/89	KCS	Fuqua & 110		Carbon Black, 600 lbs removed
92	1027 06/09/92	KCS	Tank Car on tracks along Brooklawn Dr		Aceton
87	639 10/09/87	KCS Lines	KCS Yard	1401 Frost St	"Dangerous Chemical"
85	365 01/24/85	KCS Railroad			Hexyl Alcohol
87	622 10/05/87	KCS Railroad	KCS Yard		Toluene
90	713 06/07/90	KCS Railroad		1401 Foss St	Diesel
88	206 03/22/88	Kaiser Aluminum	East Landfill		Alkolene
88	418 05/08/88	Kaiser Aluminum	Kaiser		Aluminum Chloride
87	822 12/30/87	Kajon Food Store		9600 Florida	Gasoline
89	971 10/26/89	Kajon Food Store	Greenwell Springs at Airline Hwy		Gasoline
86	415 10/08/86	Kansas City Southern			Isobutylene
87	834 11/04/87	Kansas City Southern	Kansas City Southern		Toluene
88	670 08/06/88	Kansas City Southern	US 61 South Allied Plastic		None
88	805 09/06/88	Kansas City Southern		1401 Foss St	Line Chloride Corrosive Solution
90	1048 08/09/90	Kansas City Southern		1350 Choctaw	Toluene Diisocyanate
91	24 01/07/91	Kansas City Southern	Essen Lane		Clay Material
91	731 05/13/91	Kansas City Southern	KCS Railroad		Unknown
90	668 05/25/90	Kansas City Southern	Choctaw Railroad		Diesel Fuel
86	151 03/13/86	Keller Pool Company		4213 Jeffrey Drive	Hydrochloric Acid
87	655 09/28/87	Kidney Clinic		524 Colonial Drive	Chlorine & Formaldehyde Solution
88	685 08/12/88	Kmon Food Store	Cora & Fla Blvd. Terrace & I-110		Gasoline
90	55 01/09/90	LA DOTD			Sandblasting Dust
92	1136 06/19/92	LA Gas		1211 S Carrollton	Natural Gas
89	511 06/07/89	LA Oil	Adams & Scenic		Used Oil
90	870 07/02/90	LA Oil	Scenic Hwy		Oil Water
91	229 02/13/91	LA Oil		2250 Scenic Hwy	Sludge Oil Residue
89	1237 12/26/89	LA Oil & Rerefining		2200 Scenic Hwy	Fuel Oil
89	824 09/11/89	LA Oil Company	2200 block Scenic Hwy		Waste Oils
92	1030 05/30/92	LA Oil Recycle/Reuse		2200 Scenic Hwy	Oily, Caustic Waste Water
90	516 04/22/90	LA Oil Recyclers	Adams Ave & Scenic Hwy		Waste Oils
92	558 04/02/92	LA Oil Recyclers	LA Oil Recyclers - Scenic Hwy at Madison		Oil
89	464 05/29/89	LA State University	Allen Hall		Gasoline vapor
86	132 04/24/86	LA-MAR-KA Chemical Company	Airline Hwy & Old Hammond Hwy		3% Hydrogen Peroxide
88	83 02/10/88	LSU	LSU-off Nicholson		Diesel

TABLE 3 (CONTINUED)  
LDEQ EMERGENCY RESPONSE SPILLS  
1985 - 1993

LOG #	DATE	GENERATOR	LOCATION	ADDRESS	MATERIAL
91	1370	07/30/91 LSU	Dr.		Electrical Switch Gear
89	786	08/31/89 LSU-BR	LSU South Stadium		Tpocytocunece
88	358	05/05/88 LTI	Scenic Hwy		Possible Asbestos
89	1288	11/02/89 LaMarka, Inc		10300 S Purdue	Various Chemicals
91	1333	08/06/91 LaRoche Chemical	Airline Hwy		Sulfuric Acid
93	173	02/02/93 LaRouche		2000 Airline Hwy	Waste Oil
90	620	05/15/90 Lincoln Big 3	Choctaw at Linwood Dr		Acetylene, Propane, LPG, Oxygen, Helium, Hydrogen
87	531	08/24/87 Liquid Transporters		5395 Hooper	Toluene Diisocyanate
88	289	04/13/88 Liquid Transporters		5395 Hooper Rd	Toluene Diisocyanate TDI
90	1153	08/13/90 Liquid Transporters, Inc		5395 Hooper Rd	#2 Diesel Fuel
86	85	04/09/86 Louisiana State University	LSU off of South Stadium Road		PCB
86	137	04/25/86 Louisiana State University	LSU		PCB
85	290	12/31/85 Louisiana State University at Baton Rouge	LSU Food Science Lab Building #207		Lab Waste Solvent
91	470	04/04/91 MS Carriers	I-10 Eastbound at Amite River Bridge		Raw Synthetic Rubber Sheets
90	1600	11/11/90 MS Chemical	I-10 at Highland		Sulfur
89	966	10/26/89 MS Chemical Express	Terrace Blvd & Nicholson		Nitric Acid
90	913	07/10/90 MS Chemical Express LAP230065245	US 190 under MS River Bridge		Sulfuric Acid 12 yds contaminated soil removed
87	138	03/19/87 Magic Kleen		2745 Florida Blvd	Petroleum Naptha
† <sup>07</sup> 87	228	04/28/87 Maryland Tank Farms			Crude Oil
90	919	07/12/90 Master Builders Technologies	12600 block Old Jefferson Hwy		Triethanolamine
91	1452	09/04/91 Matlack Truck Cleaning	Shada Ave		Unknown
90	1890	10/15/90 Matlock	Mason Ave		Burnt Motor Oil
86	369	09/11/86 McKesson Chemical Co.	I-10, EB, Perkins Road		Unknown
91	1666	10/06/91 Medical Center of Baton Rouge	O'Neal Lane		Multiple Types of Chemicals in powder form
88	737	08/27/88 Memorial Exploration	Next Door to 733 Bourbon St.		Saltwater
88	233	03/27/88 Memorial Exp. Co.	Right of way North of Brightside		Crude Oil
88	1100	12/14/88 Memorial Exploration		1700 Brightside	Methane
90	1249	09/16/90 Memorial Exploration		1323 Jim Taylor	Brine Water
88	323	04/25/88 Memorial Exploration Co.		1700 Brightside	Natural Gas
91	1780	10/22/91 Mercer Transportation	I-12 Westbound		Super Seal 444
85	118	05/18/85 Metropolitan Trucking Company	College & Corporate Blvd		Arcedite
86	400	09/26/86 Mid-South Beverage Co.	I-10, Dalrymple		Diesel
90	1402	10/05/90 Mid-South Church Furniture		17123 Hooper Rd	Fire
91	2108	12/12/91 Mississippi Chemical	LaRoche Chemical Access Rd		Sodium Hydroxide
90	544	05/01/90 Mississippi Chemical Express	GSU Road		None

TABLE 3 (CONTINUED)  
LDEQ EMERGENCY RESPONSE SPILLS  
1985 - 1993

LOG #	DATE	GENERATOR	LOCATION	ADDRESS	MATERIAL
87	547 09/01/87	Mississippi River Express	US 61, Mount Pleasant Rd.		Sulfur Dioxide
85	329 02/04/85	Mobil Oil Exploration		1925 River Road	Unleaded Gasoline
90	1418 10/12/90	Monterray Pipeline	MS River Crossing		Natural Gas
90	1493 10/25/90	Monterray Pipeline	Formosa Plant		Natural Gas
90	1520 10/29/90	Monterray Pipeline	Hwy 987		Natural Gas
90	663 05/25/90	Morning Treat		4535 Choctaw	Nitrogen
89	1150 12/12/89	Mosquito Control		2829 Gen Ben Davis	Malathion
92	410 03/22/92	Name removed	Corner of Wooddale & Florida Blvd		Gasoline & Oil
88	535 06/17/88	NAP SAK, Inc.	Perkins & Dalrymple-I-10 WB		Fertilizer (Urea)
86	380 09/12/86	National Beauty College		185 Bellewood	Unknown
92	1241 07/02/92	National Food Store		16031 Greenwell Springs R	Diesel
90	1102 08/18/90	National Marine	Exxon Dock		Crude Oil
87	814 12/23/87	National Oil Service	Jefferson Hwy at Pecue Lane		Used Motor Oil
92	411 03/23/92	Nicholls Construction	1800 block of N River Rd		Non-PCB Transformer Oil
89	1023 11/07/89	None	Evangeline St		Transformer Oil
88	399 05/11/88	Norwell	Airline & Sherwood		Diesel
88	187 03/03/88	OJ Food Mart LAP230060407		1781 North Foster	Empty Gasoline tanks and gasoline
88	578 07/13/88	Old Inger	Ms River Bridge		Diesel
92	2382 11/13/92	One Hour Martinizing		13577 Hooper Rd	Perc
89	287 04/12/89	Ozone Spring Water Truck	Lake Mont & Old Hammond Hwy		Diesel
† <sup>38</sup> 86	545 12/16/86	P.I.E. Transportation Co.	I-10 at Bluebonnet		Sodium Biosulfate
92	698 04/29/92	PPR, Inc	Choctaw Dr		White Powder Substance
86	520 12/09/86	Par-Gas		12257 Lovett Rd	Propane
89	23 01/11/89	Parish Water Company	Plank & Thomas		Chlorine
† <sup>89</sup> 91	996 06/21/91	Paxon		853 Mallard Dr	High Density Polyethylene Granules
87	729 11/16/87	Pel State Oil Co.		10888 Scotland	Gasoline
87	727 11/13/87	Pel-State Oil Co. LAP230060294		10888 Scotland	Gasoline
91	2184 12/30/91	Penske Tank Lines	Siegen at McCain		Ethyl Chloride
† <sup>810</sup> 88	835 09/25/88	Petro Processors	Springfield Rd		Unknown
91	535 04/18/91	Placid Refinery	Placid Refinery		Smoke
88	659 08/03/88	Port Aggregates, Inc	I-110 Southbound at Evangeline		Diesel
91	1210 07/30/91	Pure Solve, Inc	I-10 Westbound at Louise St		Naptha
86	148 04/17/86	Quality Carriers	I-10 WB West of Acadian Exit		Hydrofluoric Acid
85	340 03/31/85	Quantity Carriers, Inc.	I-10 & I-12 Interchange		Tetrachloroethylene
92	439 03/27/92	RL Hall & Assoc		7553 Jefferson Hwy	Gasoline
86	107 04/11/86	Reagent Chemical Co. LAP230056306	LA-30 One mile South of Gardere Lane		32% Hydrochloric Acid
90	712 06/07/90	Rhone-Poulenc	Airline Hwy		Oleum
90	842 06/24/90	Rhone-Poulenc	MS River Bridge		Sulphur Dioxide
90	954 07/20/90	Rhone-Poulenc	Airline Hwy		Sulfur Dioxide & Sulfur Trioxide

TABLE 3 (CONTINUED)  
LDEQ EMERGENCY RESPONSE SPILLS  
1985 - 1993

LOG #	DATE	GENERATOR	LOCATION	ADDRESS	MATERIAL
91	828 05/30/91	Rhone-Poulenc	US 190 at MS River		Sulfur Trioxide
87	519 08/20/87	Roadway Express, Inc.	I-10, Between College & Acadian		Diesel Fuel & Sodium Hydroxide Sunfit
89	535 06/16/89	Name removed (homeowner)		3024 Amarillo St	Natural Gas
93	257 02/16/93	Name removed		5353 Hooper Rd	Acrylic Acid
85	192 08/21/85	Roland Roberts Dist Company		11204 Plank Rd	Gasoline
† <sup>D12</sup> 87	702 10/17/87	Rollins		11670 Airline Hwy	PCBs
† <sup>D12</sup> 92	299 03/06/91	Rollins	Rollins Env Services		Landfill Leachate
† <sup>D12</sup> 92	932 05/28/92	Rollins	NBR Plant		Leachate
† <sup>D12</sup> 86	371 09/13/86	Rollins Environmental	Rollins Environmental		Water, #2 and #6 oil
† <sup>D12</sup> 87	13 01/10/87	Rollins Environmental			Titanium Tetrachloride
† <sup>D12</sup> 91	1321 08/19/91	Rollins Environmental	Rollins Environmental		Smoke
† <sup>D12</sup> 92	453 03/30/92	Rollins Environmental	Landfill Cell 717		Leachate
92	2632 12/21/92	Ryan Airport	Ryan Airport		Airplane Fuel
90	1070 08/13/90	S Serda Corp	South Choctaw & N Sherwood For		Burning Chemicals
90	265 02/23/90	SCS Construction Co, Inc	Thomas Rd at US 61		Motor Oil
92	2563 12/07/92	Sam's	Sams Club Airline		Anti-freeze
92	81 01/18/92	Satsuma Oil Company	St Louis St on ramp to I-10		Waste Oils
89	93 02/02/89	Schneider National	Florida & Monterrey		Liquid Detergent
91	1028 06/17/91	Schneider Truck Line	I-10 at Siegen Lane		Nalco 7533 Liquid
† <sup>D13</sup> 89	969 10/26/89	Schuylkill	US 61 North		Battery Acid
90	431 04/05/90	Scroggin Transmissions		1798 N Foster	Transmission Oil
91	1313 08/09/91	Scurlock Oil Company	Iris St at Nicholson		Diesel, 40 gals recycled
86	243 06/25/86	Service Feed Company, Inc.	Choctaw & North Acadian Thruway		Various Farm Chemicals (Rat Poison)
87	646 10/13/87	Shell Pipeline	Off of Hoo Shoo Too Rd. & Kendelwood Rd.		Diesel
89	284 03/24/89	Shenandoah Country Club		15446 Shenandoah Ave	Fertilizer & Herbicides
87	407 07/09/87	Sherard Shell		2607 S. Sherwood Forest	Gasoline
86	375 09/18/86	South Central Bell LAP230056458	Florida Blvd & Cora Drive		Gasoline
90	1139 08/27/90	Southeastern Motor Freight		1000 Choctaw	Diesel
90	1363 10/02/90	Southern Investment Casting		16125 Florida Blvd	Fire
90	60 01/09/90	Southern Ionics Inc		1175 Choctaw	Chemical Substance
90	456 04/12/90	Southern Scrap		1345 76th Ave	Hydraulic Fluid
89	1043 11/11/89	Southern Scrap Material	Hwy 61		Diesel
90	1806 12/08/90	Southern University	Grandison Hall		Asbestos
91	223 02/07/91	Southern University	Southern University		Iodine, Benedicts Solution
92	1918 09/21/92	Southern University	Lee Hall, Ave F		Rice Oil

TABLE 3 (CONTINUED)  
LDEQ EMERGENCY RESPONSE SPILLS  
1985 - 1993

LOG #	DATE	GENERATOR	LOCATION	ADDRESS	MATERIAL
91	1708 10/11/91	Southwest Motor Exchange	Southern University	524 N Foster Dr	Residue from parts washer
92	1084 06/12/92	Specialty Oil Comp	I-12 Westbound at US 61		20W50 Castrol Motor Oil
92	2449 11/23/92	Speedway Starvin Marvins #58		2385 College Dr	Gasoline
90	980 07/25/90	Sportsman Paradise	Airline at N Foster		Propane
92	2481 12/07/92	State Police Troop A	Off Foster Dr-CIB Bldg		Natural Gas
85	155 07/29/85	Stauffer Chemical	Stauffer Chemical		25% Sulfuric Acid
87	388 06/29/87	Stauffer Chemical			Oleum
87	546 08/30/87	Stauffer Chemical	Old Bridge & U.S. 190		Spent Sulfuric Acid
87	797 12/18/87	Stauffer Chemical		US 190	Sulfur Trioxide
88	751 08/31/88	Stauffer Chemical	Airline Hwy & Ms Bridge		Oleum
89	789 09/02/89	Stauffer Chemical	190 at La 1		Sulfur Di & Tri Oxide
90	711 06/07/90	Stauffer Chemical	US 190 at MS River		Sulphur Trioxide
86	308 08/05/86	Stauffer Chemical LAP230056773	Gulf States Road		98% Sulfuric Acid
86	370 09/13/86	Stauffer Chemical Co.	Kansas City Southern		Sulphur Dioxide
86	405 09/29/86	Stauffer Chemical Co. LAP230057503	North of Gulf States Road on Railroad Hwy.		Sulfuric Acid
85	164 05/05/85	Stauffer Chemical Company	Stauffer Chemical		98% Sulfuric Acid
86	343 08/23/86	Stephen's Truck Lines	Evangeline & Plank Road		Diesel
89	777 08/31/89	Steven D Thompson Trucking	Ryan Airport		Diesel Fuel
86	267 07/12/86	Steven's Truck Lines	I-110 NB at Wyandotte Street		Ethanol
90	1321 09/21/90	Sullivan Oil	Blackwater Rd		Diesel
91	995 06/21/91	Super Saver Cleaners		142 N 19th	Perchloroethane Vapors
90	1895 06/06/90	Superior Steel		10757 N Dual	Acetylene
88	1138 12/28/88	Suttle Truck Leasing	I-10 & Acadian		Waste
92	1947 09/23/92	Swain & Son	I-12, before O'Neal Lane Eastbound		Sodium Hydroxide, no spill
85	175 07/23/85	Swain Sons Transports Inc.	I-10 Bridge		Diesel Fuel
92	13 01/03/92	TNT Welding Supply		2170 N Riverside	Oxygen
90	1221 09/09/90	Name removed		43000 Flannery	Burning
88	503 06/16/88	Tenneco		1350 North Blvd.	Gasoline
91	922 06/08/91	Tesoro Petroleum	I-10 Westbound over College		Hydraulic Oil
85	117 05/17/85	Texaco LAP230054764		2333 Chippewa St	Gasoline
89	40 01/18/89	Texaco Refining & Marketing, Inc		2950 College Dr	Gasoline
92	723 05/01/92	Texaco Service Station	Harmony Center (2736) Florida Blvd		Gas Odor
89	1003 11/06/89	Name removed		17021 Hooper	Possible Chemicals
87	526 08/21/87	Time-DC, Inc. LAP230059809		6722 Bicentennial	Hazardous Waste
91	989 06/15/91	Tri-G Marine Supply	MS River at USS Kidd		Various Chemicals, solvents, etc.
88	72 02/08/88	Tri-Sands Trucking	Alligator Bayou &		Unknown



TABLE 3 (CONTINUED)  
LDEQ EMERGENCY RESPONSE SPILLS  
1985 - 1993

LOG #	DATE	GENERATOR	LOCATION	ADDRESS	MATERIAL
90	341 03/15/90	TriCil	Old Perkins	16016 Perkins	Hydraulic Fluid
85	227 10/11/85	Triangle Truck Terminal	Main & 10th Street		Diesel Fuel
91	267 02/19/91	Tricil Laidlaw Chemical	Hwy 61 near Rollins		Placard 1993
92	0 03/23/92	Trimac (Liq Transportation)		5395 Hooper Rd	18% NaOH Solution
90	698 06/04/90	Triple A Cooper	Greenwell Springs & Choctaw		Diesel Fuel
91	966 06/19/91	Triple F Transport Co	I-10 West of Acadian		Diesel Fuel
90	1097 08/17/90	US Army	I-10 Eastbound MS River Bridge		Diesel
89	461 05/26/89	US Post Office	Post Office		Green Substance
90	264 02/23/90	US Truck Line	I-12 at Drusilla		Gravel
85	359 04/03/85	Union Texas Petroleum		4548 Tigerland	Brine
86	438 10/18/86	Union Texas Petroleum		1808 Brightside Rd	Crude Oil & Salt Water
89	544 06/21/89	United Gas Pipeline		6444 Sanchez St	Natural Gas
85	122 06/08/85	Unknown	J & J Auto Repair	2300 Scenic Hwy	Acetylene
85	138 06/11/85	Unknown	Naval Museum on Front Street		Unknown
85	200 09/06/85	Unknown	N. Sherwood & Greenwell Springs		Natural Gas
85	211 10/01/85	Unknown	Southern Scrap - 76th Street		None - Fire
85	232 10/17/85	Unknown	Troop A US 61		Unknown - Bad Odors
85	240 10/23/85	Unknown		4266 Mohican Street	Unknown
85	275 12/10/85	Unknown	Scenic Hwy at Choctaw		None
85	341 04/16/85	Unknown	MVB Building on Foster Drive		Unknown
86	27 01/24/86	Unknown	KCS Yard Thomas Road		Polyethylene Pellets
86	44 02/28/86	Unknown	Florida Blvd & Foster Dr DOTD Lab		Gasoline
86	75 03/24/86	Unknown	I-10 & Siegan Lane		Crude Oil
86	84 04/08/86	Unknown	LSU		Natural Gas
86	93 04/19/86	Unknown	Fanny & Washington Street		Gasoline
86	139 05/02/86	Unknown		11919 Scenic Highway	None
86	140 05/05/86	Unknown	I-10 & Windbourne Ave.		Unknown
86	170 01/06/86	Unknown		17213 Hooper Road	Misc. Flammable Liquids
86	176 05/28/86	Unknown	1900 Blk of Gayosa St.		Unknown
86	208 06/11/86	Unknown		2344 Park Circle	Chlordane & Heptachlor
86	225 06/23/86	Unknown	I-12 EB at O'Neal Lane		Salt, Propane
86	226 06/24/86	Unknown		8300 Jefferson	Natural Gas
86	232 06/07/86	Unknown		9250 Wilbur	Ethyl Magnesium Bromide
86	239 06/27/86	Unknown	Hwy-61, Irene Road		Gasoline
86	260 07/09/86	Unknown	Choctaw Drive		Sulfuric Acid
86	282 07/24/86	Unknown	I-110 at Prescott		Diesel
86	284 07/23/86	Unknown		5456 Alamo Ave	Oil
86	316 08/11/86	Unknown	I-10, New Bridge,		Diesel

TABLE 3 (CONTINUED)  
LDEQ EMERGENCY RESPONSE SPILLS  
1985 - 1993

LOG #	DATE	GENERATOR	LOCATION	ADDRESS	MATERIAL
86	344 08/24/86	Unknown	West Bound Thomas & Leisure Road		Radioactive Equipment
86	368 09/10/86	Unknown		20521 Watson Drive	Burning Tires
86	391 09/18/86	Unknown	Sorrel Street & Neosho		Unknown (Cleaning Material)
86	404 09/29/86	Unknown	DOTD Flight Operations		Carberator Cleaner
86	409 10/01/86	Unknown	Baton Rouge Airport		Jet A Fuel
86	458 10/29/86	Unknown	Lee & Highland		Gasoline
86	481 11/19/86	Unknown	Government & St. Rose St.		Gasoline
86	500 11/12/86	Unknown		1401 Foss	LP Gas
86	524 11/24/86	Unknown	Exxon Refinery		Hydrogen Sulfide
86	528 11/28/86	Unknown		7716 Commerce Street	Unknown
86	549 12/18/86	Unknown	Sherwood Forest		Conc Hydrochloric Acid
86	555 12/22/86	Unknown		1925 N. Riverside	Hydrochloric Acid
86	557 12/23/86	Unknown	Gulf States Road		Vinyl Chloride
86	564 12/26/86	Unknown	Flannery Road		Cooking Oil
86	565 12/24/86	Unknown	Joor & Greenwell Springs		Reported Acid
87	16 01/12/87	Unknown	KCS Railroad at Stauffer		Sulfuric Acid
87	20 01/15/87	Unknown	ICG Railroad		Phosphoric Acid, Sulfuric Acid, & LPC
87	22 01/16/87	Unknown		2326 Sorrel	Diesel
† <sup>D12</sup> 87	28 01/22/87	Unknown	Rollins	13351 Scenic Hwy	Thermoxidation Sludge
87	36 01/29/87	Unknown		2223 N. Acadian	Gasoline
87	38 01/29/87	Unknown	Exxon		Gasoline
87	71 02/16/87	Unknown	Independent Tank Cleaners		Toluene
87	113 03/10/87	Unknown		8989 Greenwell Springs Rd	Gasoline
87	147 03/25/87	Unknown	Baton Rouge Airport		Fuel Oil
87	204 04/14/87	Unknown	ICG Yard		Fuel Oil #1
87	235 04/30/87	Unknown	KCS		None
87	389 07/01/87	Unknown		2200 Windbourne	White Liquid
87	397 07/08/87	Unknown	I-110 & Harding Blvd		White Powder-Possibly Lime
87	432 07/17/87	Unknown	ICG Yard		Propylene Oxide
87	467 08/03/87	Unknown	Exxon		Methyl Chlorine
87	478 08/06/87	Unknown	12232 Industriplex		Oxygen
87	490 08/14/87	Unknown	Blount Rd & Scenic Hwy		Acid
87	516 08/19/87	Unknown	Airline Hwy & Connells Village		Diesel
87	536 08/25/87	Unknown	Bob Petit Dr. & Nickelson		Crude Oil
87	636 10/08/87	Unknown	McClellad & Greenwell St.		Sulfuric Acid
87	637 10/08/87	Unknown	GSU Road		Iodine
87	690 10/29/87	Unknown		Limestone Rd	Oil Well
87	717 11/10/87	Unknown	I-12 between O'Neal Lane & Sherwood Forest		Diesel
87	732 11/16/87	Unknown	I-10 North, By Governors's Mansion/DOTD		Crude Oil

TABLE 3 (CONTINUED)  
LDEQ EMERGENCY RESPONSE SPILLS  
1985 - 1993

LOG #	DATE	GENERATOR	LOCATION	ADDRESS	MATERIAL
87	740 11/19/87	Unknown	North Foster & Florida		Diesel
87	795 12/17/87	Unknown		10313 Greenwell Springs	Flooring Material
87	805 11/19/87	Unknown	Perkins Rd & LA Concrete Rd.		Dry brown material
88	29 01/18/88	Unknown	Between Old Hammond & I-12	1024 O'Neal Lane	Toxic Waste Water
88	39 01/24/88	Unknown	Southern University		Diesel
88	40 01/25/88	Unknown	New Bridges West Bound		Diesel
88	58 02/01/88	Unknown		1400 North Blvd	Shark Chase
88	91 02/11/88	Unknown	Nelson and Roosevelt		Shiny Liquid
88	121 02/23/88	Unknown		2924 72nd Ave	Natural Gasoline
88	124 02/20/88	Unknown		2141 Mariner St	Unknown
88	132 02/27/88	Unknown		8515 Greenwell Springs	Old Carpet
88	160 03/05/88	Unknown	I-110 at North Street		Barium Sulfate
88	207 03/23/88	Unknown	Barge Terminal Rd.		Oil
88	247 04/05/88	Unknown		2400 Highland	Oil Sheen
88	261 04/02/88	Unknown	Eastbound off ramp I-110 at Harding Blvd.		Lime
88	275 03/15/88	Unknown	I-10 West of College		Unknown
88	322 04/25/88	Unknown	Brooklawn Dr		Unknown
88	333 04/28/88	Unknown	I-12 W-South of Sherwood		Diesel
88	335 04/29/88	Unknown	Foster & North Blvd.		Gasoline
88	353 05/04/88	Unknown		8450 Green Moss	Unknown
88	411 03/28/88	Unknown	Riverside Mall & Main		Gasoline
88	473 06/11/88	Unknown	I-10 & Perkins		HCl
88	509 06/21/88	Unknown		4992 Flannery Rd	Lime
88	532 07/05/88	Unknown	I-12 Westbound At I-10 & 12 Split		Diesel
88	569 07/11/88	Unknown	I-110 Southbound at Harding Blvd.		Sulfuric Acid
88	675 08/08/88	Unknown	3300 Block of Tulla St		Cooking Oil
88	712 08/18/88	Unknown	Between Terrace & Julia		Diesel
88	721 08/23/88	Unknown	Siegen lane & Perkins		Propane
88	727 08/23/88	Unknown	Greyhound Bus Station		PCP
88	823 09/20/88	Unknown	Scenic Hwy		Unknown (Sheen on River)
88	829 09/28/88	Unknown		I-110 Government St	Diesel
† <sup>010</sup> 88	890 10/09/88	Unknown	Springfield Rd		Unknown
88	940 10/25/88	Unknown		6800 Nicholson	Muratic Acid/Hydrochloric Acid Hydrogen Chloride
88	946 10/26/88	Unknown		2104 Phillips Rd	Oil
88	983 11/02/88	Unknown	Scenic Hwy		Metholene Chloride
88	987 11/02/88	Unknown		15175 Old Scenic Rd	Odor
88	986 11/02/88	Unknown	North Baton Rouge		Odors
88	1146 12/22/88	Unknown		6440 Rawlings	Organic Peroxide
88	1152 12/19/88	Unknown	Highland Rd		Class C Fly Ash
89	3 01/03/89	Unknown	I-12 at Sherwood		Diesel

TABLE 3 (CONTINUED)  
LDEQ EMERGENCY RESPONSE SPILLS  
1985 - 1993

LOG #	DATE	GENERATOR	LOCATION	ADDRESS	MATERIAL
89	12 01/08/89	Unknown	Forest South Stadium & Nicholson		Natural Gas
89	99 02/06/89	Unknown		7900 Jefferson Hwy	Gasoline
89	103 02/05/89	Unknown	Plank Rd at Evangeline		Transformer Oil
89	105 02/09/89	Unknown		14009 Old Hammond Hwy	Natural Gas
89	106 02/10/89	Unknown	Airline Hwy at Jefferson		Diesel Fuel
89	111 02/10/89	Unknown		2020 O'Neal Lane	Waste Oil
89	279 04/06/89	Unknown	I-110 Southbound Airline		Boxite
89	297 04/05/89	Unknown	Highland Rd - Entrance Ramp I-10		Diesel
89	304 04/12/89	Unknown	Florida Blvd at N 26th St		Naptha
89	305 04/13/89	Unknown		1152 Terrace	Transformer Oil
89	310 04/14/89	Unknown	I-10 West of South Acadian		Diesel
89	324 04/18/89	Unknown		12289 Florida Blvd	Mineral Oil - Transformer
89	325 04/19/89	Unknown	Sapsucker St		Unknown
89	353 04/28/89	Unknown		11100 Greenwell Springs R	Butane
89	359 04/30/89	Unknown	Airline Hwy at Interplex		Natural Gas
89	389 05/08/89	Unknown	N Foster & N Blvd		Gas
89	490 06/05/89	Unknown	New MS River Bridge		Diesel & Asphalt
89	594 06/26/89	Unknown		3103 Monterrey Blvd	Algacide & Hypochlorite
89	641 07/19/89	Unknown	Highland Rd & Terrace Ave		Mixed Gasoline
89	667 07/29/89	Unknown		6675 Airline	Aircraft Thinner
89	675 07/31/89	Unknown	Coursey at Hickory Ridge		Diesel Fuel
89	691 08/02/89	Unknown	Across from Kleinpeter Substation		Curing Compound
89	696 08/04/89	Unknown		11931 Industriplex Blvd	Unknown
89	714 08/11/89	Unknown	Harbor		Unknown
89	735 08/17/89	Unknown		4371 Mahecon Prescott	Dicyclopentidine (DCPD)
89	811 09/11/89	Unknown	I-110 Southbound		Transmission Fluid
89	913 10/06/89	Unknown	MS River		Diesel or Oil Slick
89	924 10/24/89	Unknown	Greenwell St & Airline Hwy		Gasoline
89	944 10/16/89	Unknown		2121 Harding Blvd	Gas
89	960 10/22/89	Unknown	Swan St		Natural Gas
89	1001 11/04/89	Unknown	Foster at Main		Light Oils
89	1060 11/15/89	Unknown	Airline & Prescott		Hydraulic Oil
89	1167 11/15/89	Unknown	I-12 Westbound Essen Exit		Abandoned Drum
89	1184 12/16/89	Unknown	Scenic & Hiawatha		Unknown Yellow Material
90	87 01/17/90	Unknown	River Rd		Unknown Red Powder
90	229 02/19/90	Unknown	Nicholson & West Lee		Oxygen
90	344 03/17/90	Unknown	LA 19		Natural Gas
90	350 03/19/90	Unknown	Old Hammond & O'Neal		Diesel

TABLE 3 (CONTINUED)  
LDEQ EMERGENCY RESPONSE SPILLS  
1985 - 1993

LOG #	DATE	GENERATOR	LOCATION	ADDRESS	MATERIAL
90	369	03/22/90	Unknown	Tigerbend & Jefferson Hwy	Compressed Gas Cylinder
90	414	03/20/90	Unknown	Lake Crest & Blount Rd	Unknown Odors
90	440	04/09/90	Unknown	East Blvd & North Blvd	Diesel
90	534	04/27/90	Unknown	2828 Dougherty	Unknown
90	614	05/10/90	Unknown	Scenic Hwy	Ethylene Glycol
90	619	05/15/90	Unknown	2955 & 2945 Michell Dr	Natural Gas
90	845	06/29/90	Unknown	11255 Boardwalk	Natural Gas
90	940	07/15/90	Unknown	Brightside Ln at Nicholson Dr	Aluminum Chloride Powder
90	975	07/24/90	Unknown	11410 Airline	Natural Gas
90	992	07/28/90	Unknown	110 S Foster	Gasoline
90	997	07/28/90	Unknown	110 S Foster	Gasoline
90	1045	08/07/90	Unknown	I-10 Eastbound at Bluebonnet	Diesel
90	1156	08/16/90	Unknown	Bains & Laurel Hill	Natural Gas
90	1164	09/01/90	Unknown	Metro Airport	Jet Fuel
90	1278	09/21/90	Unknown	St Ferdinand & Government	Gasoline
90	1292	09/23/90	Unknown	I-10 (Essen to Perkins)	Diesel
90	1338	09/28/90	Unknown	Greenwell Springs Rd	Diesel
90	1358	10/01/90	Unknown	8561 Rush Ave, Apt D	Unknown
90	1681	11/19/90	Unknown	I-10 between College & Acadian	Diesel
90	1684	11/28/90	Unknown	Scenic Hwy	3 drums
90	1725	12/04/90	Unknown	Exxon Refinery Dock	Unknown
91	160	01/29/91	Unknown	I-10 & Harding	Diesel
91	645	05/02/91	Unknown	11814 Coursey Blvd	Natural Gas
91	675	05/06/91	Unknown	Hooper Rd at Sullivan	Diesel Fuel
91	1017	06/26/91	Unknown	MS River	Slick
91	1105	07/16/91	Unknown	MS River	Diesel
91	1320	08/19/91	Unknown	MS River	Light Oil
91	1350	07/08/91	Unknown	MS River	Oil
91	1375	08/21/91	Unknown	Bluebonnet Westbound entrance to I-10	Sodium Hydroxide
91	1418	09/04/91	Unknown	Mile 232 at Exxon Docks	Unknown Oil
91	1438	09/06/91	Unknown	Hooper & Sullivan	Oil
91	1448	09/09/91	Unknown	Exxon Docks on MS River	Oil
91	1530	09/19/91	Unknown	MS River	Oil Sheen
91	1544	09/21/91	Unknown	MS River	Oily Sheen
91	1744	10/17/91	Unknown	Burbank	Acetylene
91	1787	10/24/91	Unknown	Under I-110 at Chippewa	Quick Lime
91	1804	10/24/91	Unknown	I-10 & Perkins	Diesel Fuel
91	1857	10/31/91	Unknown	Coursey at Stumberg	Muratic Acid
91	1915	11/08/91	Unknown	I-12 Eastbound	Solution of Phosphoric & Nitric Acid
91	2109	12/12/91	Unknown	Greenwell Springs Rd at Sherwood Forest	Diesel
91	2137	12/17/91	Unknown	6630 Exchequer	Unknown
92	323	03/10/92	Unknown	Birch St at N 19th	Unknown



TABLE 3 (CONTINUED)  
LDEQ EMERGENCY RESPONSE SPILLS  
1985 - 1993

LOG #	DATE	GENERATOR	LOCATION	ADDRESS	MATERIAL
92	361 03/18/92	Unknown	in Canal		Aniline Oil Liquid
92	362 03/18/92	Unknown	Sorrel & Choctaw Dr 1500 block Old Hammond Hwy in from Eastside Fire Dept Tiger Bend & Babin Rd		Natural Gas
92	370 03/13/92	Unknown	Exxon Dock Facility #2 Berth		Used Motor Oil
92	387 03/20/92	Unknown		915 Julia	3 5-gallon drums marked Hazardous Diesel
92	416 03/25/92	Unknown	US 61 at I-110 exit ramp		Caustic Soda
92	474 03/31/92	Unknown	Scenic & Airline Sharp Rd & Florida		Natural Gas (evacuated small area)
92	923 05/28/92	Unknown	Foot of North Street		Diesel
92	1002 06/05/92	Unknown	I-12 between Airline & Drusilla, Westbound	329 Chippewa	Gasoline
92	1056 06/12/92	Unknown	Mc Cullen St & Hollywood St		55 gal drum leaking
92	1203 06/19/92	Unknown	Acadian Thruway at Baywell St	15175 Old Scenic Hwy	Unknown Odor Strong Odor
92	1221 07/01/92	Unknown		16806 Morel Ave	Oil
92	1502 08/04/92	Unknown	On Chippewa off I-110		Diesel
92	1512 08/05/92	Unknown	Corner Plank & Harding Blvd		Diesel
92	1528 08/06/92	Unknown	Louise St, Bottom of Interstate at Government		Diesel
92	2044 10/05/92	Unknown	Independence Blvd		Unknown
92	2267 10/28/92	Unknown	Airline & Sanchez		Chlorine - Benzene
92	2344 11/06/92	Unknown	Airline Hwy, foot of old bridge		S03
92	2642 12/23/92	Unknown	Exxon Refinery Dock		Cooking Oil
93	7 01/04/93	Unknown	I-10 Westbound Dalrymple		Unknown White substance
93	157 01/29/93	Unknown	I-12 near Drusilla Exit		Various corrosives, flammable products
93	246 02/13/93	Unknown		5616 Corporate Blvd	Diesel
93	268 02/17/93	Unknown	1300 block Gila St		Styrene Monomer
88	606 07/20/88	Unknown	Scenic & Bob White		Axle Grease
90	303 03/08/90	Unknown	Piedmond Lake Rd		Burning Tires
92	2013 10/02/92	Unknown	Park Forest at Old Jefferson		Natural Gas
92	2651 12/24/92	Unknown	Greenwell Springs Rd at Joor Rd		Diesel
87	122 02/18/87	Unknown		13455 S.Harrells Ferry Rd	Spill Waste in Overpacks
87	209 04/20/87	Unknown	12th St at River Road		Crude Oil
89	878 02/27/89	Vest Tennis Court Co	Mollylea Dr		Water Based Paint
89	693 08/03/89	WABCO	US 61		Fiberglass Resin
91	2123 12/15/91	Waste Management	I-12 at Millerville		Garbage

TABLE 3 (CONTINUED)  
LDEQ EMERGENCY RESPONSE SPILLS  
1985 - 1993

LOG #	DATE	GENERATOR	LOCATION	ADDRESS	MATERIAL
92	560 04/09/92	Waste Management	Lake Leta-Lake Sherwood off Sherwood		Diesel/Hydraulic
91	2043 12/02/91	Waste Water Plant	EBR Control		Waste Water
90	93 01/18/90	Waste Water Treatment Plant	EBR Waste Water Treatment Plant		By-Pass
91	242 02/15/91	West Payne Laboratory	Burbank Dr		Leachate Samples
90	1632 11/13/90	Western Commercial Trans		555 N River Rd	Lube Oil
92	2575 12/12/92	Wickes Lumber		8400 Airline Hwy	Diesel
89	666 07/30/89	Wolf Pest Control	I-12		Unknown
91	2084 12/10/91	Womco Trucking	Sherwood Forest at I-12		Transformer Oil & Casing
90	269 02/28/90	Wood Product Haulers, Inc		1119 North Blvd	Hydraulic Oil
85	128 04/10/85	Wright Chemical Company	Pilgrim Storage	11670 Airline Hwy	Poly Quat
86	289 07/29/86	Yellow Freight Truck Lines	Orkin Pest Control	7435 Town South Ave	Chlordane
89	677 07/31/89	Younger Brothers Trucking		2650 Thomas Rd	Diesel Fuel

Three emergency response spill logs from LDEQ warrant further investigation, due to the possibility of affecting a project location. A brief explanation of what was found in the field for each of these incidents follow.

Twenty-one sites are near one of the two proposed disposal areas for excavated material, either in Devil's Swamp Landfill or borrow pits along the Mississippi River near Gardere Lane.

†<sup>22</sup> Log Number 85-75, Exxon Company USA (13315 Old Hammond Hwy). A call was made to the Emergency Response line to say that there may be a leaking underground storage tank in the Exxon tank field at the intersection of Old Hammond Highway and Flannery Road. Gasoline contaminated water was discovered in a monitoring well. Originally the call was to find out if Exxon could recover the gasoline through the refinery's waste water treatment system. The amount of material leaked was not provided in the spill record.

†<sup>30</sup> Log Number 88-655, Highway Pipeline Trucking (Hooper and Shady Bluff). An automobile accident involving an auto and eighteen wheeler was reported at Hooper and Shady Bluff. Approximately 80 gallons of diesel spilled onto the ground with some of the diesel going directly into Blackwater Bayou. A sheen was not noted on the water but some odor was detected. No cleanup was conducted.

†<sup>38</sup> Log Number 86-545, P.I.E. Transportation (I-10 at Bluebonnet). A 500 gallon tank leaked approximately 200-350 gallons of sodium bisulfate on Interstate 10 westbound at Bluebonnet Rd. No cleanup was conducted.

†<sup>D7</sup> Log Number 86-081, Exxon Maryland Tank Farm. On April 7, 1986, a leak was discovered in a tank containing toluene at the Exxon Maryland Tank Farm facility. A total of approximately 700 to 800 barrels of material was released to the environment. The material flowed into a nearby drainage ditch, which drains into the Maryland Tank Farm North oil/water separator before leaving the property boundary. All product was removed from the tank to stop the source of the flow. The ditch was blocked off in several places, and the material was recovered by vacuum truck. Some of the material entered the separator, most of which was recovered. The discharge from the separator is and NPDES permitted outfall. The outfall ditch flows under Scenic Highway to the parish landfill property (Devil's Swamp Landfill). Samples taken from the outfall on April 9, 1986, two days after the incident, contained 0.42 mg/l toluene, more than twice the permitted allowable discharge of 0.2 mg/l toluene.

†<sup>D7</sup> Log Number 89-204, Exxon Maryland Tank Farm. On March 17, 1989, an unknown amount of naptha was spilled at the Exxon Maryland Tank Farm facility. No clean up information is provided.

†<sup>D8</sup> Log Number 92-1459, Exxon Chemical Resin Plant. On July 30, 1992, a leak developed in a coupling in a tube at the Exxon Chemical Resin Plant, spilling approximately 150 gallons or 160 pounds (report unclear) of the boiler feed water treatment chemical, cyclohexylamine. The spill was cleaned up with absorbent pads which were placed in drums.

†<sup>D9</sup> Log Number 88-002, Allied Signal Plant. On January 6, 1988, an oil circuit breaker in GSU's Grace Substation exploded resulting in an outage of the entire substation and those portions of the Allied HDPE Plant powered by the substation. The resulting fire was fueled by the 410 gallons of insulating oil (containing 1ppm PCB) in the circuit breaker. As a result of the sudden power outage, the affected reactors were depressured through the flare. Smoke from the fire and flare was carried off-site by the wind. The fire was extinguished by the plant fire department. The pollutants were smoke from the combustion of the transformer oil and smoke from the combustion of isobutane (flare).

A total of 592 Citizen Complaints were recorded for East Baton Rouge Parish between 1988 and February 18, 1993. Specific dates, violations, and a description are shown in Table 4. Approximately eighteen percent of the complaints were petroleum/oil/gasoline related incidents. The complaints included such items as leaking transformers, dumping of oil by private citizens, dumping oil into drainage ditches and sewers, and oil seeping out of the ground. About sixteen percent of the complaints were related to spills or dumping on the ground, in the drainage system, or in the sewer system. These included deliberate dumping,

accidental spills and leaks from trucks transporting possible hazardous waste. Twelve percent of the complaints were related to storage of drums, tanks or barrels. Most incidents involved abandoned or dumped drums, some involved improper storage of drums or barrels of possible hazardous material. Approximately eleven percent of the complaints were related to odor or vapors. Most odors were of unknown origin and a few caused health problems such as respiratory problems or illness. Other complaints included: burying waste or drums, storing chemicals in homes and businesses, trucks dumping possible hazardous material, reporting of a white powder-like substance or residue on road or vehicles, washing of trucks or equipment without collection of washwater, burning materials, and trucks transporting hazardous or possible hazardous wastes.

TABLE 4  
LDEQ EMERGENCY RESPONSE CITIZEN COMPLAINTS  
1988 - 1993

LOG #	DATE	REPORTED BY	VIOLATION LOCATION OR VIOLATOR	ADDRESS	COMPLAINT/VIOLATION
88-001	01/12/88	Baton Rouge Fire Department	Name removed		Tenant Evicted - various bottles of chemicals in the house.
88-016	02/02/88	Name removed	NPC Corp		Waste being pumped across the levee.
88-017	02/02/88	Anonymous	Baker Muffler and Brake		Oil and grease floating everywhere
88-018	02/02/88	Name removed	Exxon Station		Pumping water from a gas tank
88-019	02/03/88	Name removed	unknown		Bad odor
88-027	02/15/88	Name removed	unknown		Bad ether like odor
88-038	02/29/88	Anonymous	Magic Kran and Cypress Oil		MK is taking D001R to Cypress Oil (no storage permit)
88-039	02/11/88	Anonymous	Ray's Radiator Service		Disposing of hazardous material in the drainage system.
88-041	02/26/88	Name removed	unknown		Construction shack moved and dumped chemicals on the ground.
88-042	02/26/88	Name removed	Gayle Battery		Battery acid spilling on ground
88-050	03/15/88	St George Fire Department	unknown		Burning shingles, etc.
88-052	03/17/88	Baton Rouge Fire Department	Pumping Station #49		Vapor emitting from the lift station
88-055	03/22/88	Anonymous	Terex Midco Equipment Co.		Discharging oil in ditch behind property.
88-056	03/22/88	Name removed	unknown		Smelling strong odor.
88-063	03/25/88	Name removed	unknown		Bag exploded in the incinerator
88-064	03/29/88	Name removed	unknown		Pressure paint spray coming over to her house.
88-070	04/06/88	Name removed	unknown		Has household chemicals at her house.
88-073	04/10/88	Anonymous	unknown		Bad odor

TABLE 4 (CONTINUED)  
LDEQ EMERGENCY RESPONSE CITIZEN COMPLAINTS  
1988 - 1993

LOG #	DATE	REPORTED BY	VIOLATION LOCATION OR VIOLATOR	ADDRESS	COMPLAINT/VIOLATION
88-076	04/12/88	Anonymous	unknown		Illegal dumping of hazardous wastes.
88-081	04/13/88	Name removed	unknown		Strong pesticide odor.
88-101	04/22/88	Name removed	Name removed		Sprayed her children with malathion.
88-110	05/06/88	Name removed EPA-Air	unknown		Dust from trucks blowing in air and on roadway.
88-111	05/06/88	Anonymous	unknown		Spilled approx. 10,000 of hydraulic acid.
88-115	05/06/88	LSP	Brouillette Lift Service		Dumping motor oil and acid in hole.
88-124	05/13/88	Name removed	7-11		Cleaning out gasoline tanks and running on ground.
88-127	05/17/88	Name removed	Neighbor		Has shop next door - paints, etc.
88-128	05/18/88	Name removed	unknown		White powder on side of road.
88-129	05/18/88	Name removed	Frank Jones Body Shop		Dumping hazardous waste, scrap paint, lacquer, thinner, etc.
88-132	05/23/88	Name removed	unknown		Hwy construction burning piles of trees and branches.
88-134	05/23/88	Name removed	LA Oil and Refinery		Dumping into sewer system
88-135	05/24/88	Name removed	unknown		Digging a hole and burying trash.
88-139	06/09/88	Name removed	unknown		Intersection real slick and bad odor.
88-147	06/10/88	Name removed	Quality Bolt and Screw		Gravel in servitude killing grass and oak tree.
88-148	06/14/88	Name removed, EBR Sheriff's Office	Flow-Mok, Inc.		Truck discharging into a ditch.
88-153	06/18/88	Kay, St. George FD	unknown		Found large hose next to creek.
88-155	06/20/88	Name removed	unknown		Tenant left huge tanks on premises.
88-159	06/23/88	Name removed	Jiffy Lube		Dumping radiator fluid on the ground.
88-161	06/15/88	Name removed	unknown		8 or 10 piles by substation of black substance.
88-163	06/24/88	Name removed	Craig Brothers		Cleaning up sludge pond with lead, etc.
88-167	06/24/88	Name removed	unknown		Black circle near driveway.
88-169	06/29/88	Anonymous	Krion Incorporated		Dumping dark colored liquid onto ground running into storm drain.
88-171	07/11/88	Name removed	unknown		Barrels and drums left at premises.
88-175	07/08/88	Name removed, EBR Sheriff's Office	Flow Mok		Dumping material into ditch.
88-189	07/27/88	Name removed	Amoco Transmission		Dug tank up-left top off-transmission fluid flowing into her yard.
88-193	08/10/88	Name removed	L&B Trucking		Parking an 18 wheeler in neighborhood.
88-199	08/16/88	Anonymous	LA Oil Facility		Cases of material in yellow containers.
88-204	08/24/88	Name removed	unknown		Very strong odor of rotten eggs.



TABLE 4 (CONTINUED)  
LDEQ EMERGENCY RESPONSE CITIZEN COMPLAINTS  
1988 - 1993

LOG #	DATE	REPORTED BY	VIOLATION LOCATION OR VIOLATOR	ADDRESS	COMPLAINT/VIOLATION
88-205	08/18/88	Name removed	unknown		Dump trucks are dumping white material.
88-207	08/26/88	Anonymous	Cotton's Pest Control		Truck leaking in yard.
88-218	09/04/88	Name removed	unknown		Fish kill in Briarwood Subdivision.
88-225	07/15/88	Name removed, Baton Rouge Fire Dept.	Kadair's		Spraying chemicals in back of his office.
88-229	09/21/88	Anonymous	unknown		Dumped black stuff in ditch.
88-232	09/17/88	Name removed	Lake Charles Refinery		Sludges were being cleaned out of old tank.
88-233	09/27/88	Anonymous	LA Oil and Refinery		Spilled oil on ground.
88-245	08/17/88	Name removed	Automotive Engine Exchange		Pouring caustic water on the ground.
88-246	09/29/88	Name removed	Industrial Filters		Material dug out of ditch in front.
88-251	10/13/88	Anonymous	Dr. (Name removed)		Disposing of X-Ray chemicals improperly.
88-252	10/16/88	Name removed	unknown		Bad odor in area.
88-254	10/14/88	Anonymous	Allied Tire		Dumping used oil.
88-256	10/21/88	Name removed	Name removed		Vehicle flatbed leaking.
88-270	11/03/88	Anonymous	Roy's Radiator		Throwing chemicals outside - everything is dying.
88-271	11/04/88	Name removed	Name removed		Tank of used oil leaking.
88-277	11/14/88	Name removed	unknown		Oil in ditch, someone spraying weed killer.
88-278	11/15/88	Name removed	unknown		Box of assorted chemicals on carport at empty house.
88-280	11/15/88	Name removed	unknown		Bad odors.
88-282	11/19/88	Name removed	unknown		Odors last night.
88-285	11/30/88	Name removed	Eagle Electronics		X-Ray developing chemicals.
88-286	12/05/88	Anonymous	unknown		Oily residue in ditch.
88-290	12/14/88	Name removed	unknown		Truck parked leaking white liquid.
† <sup>012</sup> 88-296	12/22/88	Name removed	Rollins and CET		Trucks parked in gravel pit.
89-001	01/06/89	Name removed	unknown		Gasoline in sewer.
89-002	01/06/89	Anonymous	Road Runner Motors		Letting acid, etc. run into sewer.
† <sup>20</sup> 89-006	01/12/89	Anonymous	Daniell Battery		Discharging lead on ground.
89-010	01/30/89	Anonymous	Factory Motor Exchange		Letting oil run into ditch.
89-019	01/11/89	Anonymous	VIP International		Drums with tops off.
89-020	02/09/89	Name removed	DOTD		Dumped two loads of black sludge.
89-024	02/16/89	Name removed	unknown		Dumping material on vacant lot.
89-026	02/17/89	Anonymous	Hemco Transmissions		Dumping oil in drums which overflows on ground.
89-033	02/27/89	Anonymous	unknown		Bad smell coming from steam cleaning trucks.
89-034	02/28/89	Name removed	Name removed		Oil being washed onto her property.
89-035	03/01/89	Bishop Sullivan High School	unknown		Chemicals at school.
89-037	02/22/89	Anonymous	World Stress		Drums with material running into ditch.
89-038	02/28/89	Name removed	Brown's Auto and		Dumping solvents, chemicals

TABLE 4 (CONTINUED)  
LDEQ EMERGENCY RESPONSE CITIZEN COMPLAINTS  
1988 - 1993

LOG #	DATE	REPORTED BY	VIOLATION LOCATION OR VIOLATOR	ADDRESS	COMPLAINT/VIOLATION
89-039	03/03/89	Name removed	Diesel Repair Exxon Station (Baker City Club)		and paints on the ground. Filling in pond with concrete from service station.
89-055	03/08/89	Name removed	Bayou States Trucks		Trucks to and fro on Hooper Road.
89-058	03/17/89	Name removed	Andrus Pavement Marketing		Paint residue on ground.
89-059	03/20/89	Anonymous	unknown		Witness observed tank truck turn around at dead end street.
89-060	03/20/89	Name removed	unknown		Problem in front door.
89-063	03/25/89	Name removed	Sewer System		Overflowing into ditches that drain into pond.
89-066	04/05/89	Name removed	Asphalt Co.		Air emissions.
† <sup>20</sup> 89-067	04/05/89	Name removed	Daniell Battery		Lead problem (see 89-006 - 1/12/89).
89-068	03/31/89	Name removed	unknown		Trailer parked on lot next to his house.
† <sup>12</sup> 89-071	04/07/89	Name removed	Rollins		Reported load of waste without a proper manifest.
89-079	04/07/89	Anonymous	unknown		55 gallon drum of black material.
89-080	04/10/89	Name removed	unknown		Found blood bag in yard.
89-085	04/17/89	Anonymous	Stauffer Chemical		Employees getting sick.
89-086	04/04/89	Name removed	Budget Print and Mail		Dumping etching chemicals down sink, toilet and out back door.
89-087	04/05/89	Anonymous	unknown		Gasoline being poured on ground and being burned.
89-096	04/20/89	Name removed	AAA Rental		Drum on site.
89-097	04/24/89	Name removed	Mason Antiques		Barrels next to fence.
89-098	04/26/89	Baton Rouge Fire Dept.	Texaco Station		Gasoline odors.
† <sup>09</sup> 89-099	04/27/89	Anonymous	Allied Works		Hauling contaminated materials.
89-106	05/06/89	St. George Fire Dept.	unknown		Trailer loaded with 55 gal drums of catalyst.
89-116	05/11/89	Name removed	unknown		Containers of chemicals, acid, etc.
89-117	05/12/89	Anonymous	unknown		Used motor oil, filters and batteries along fence.
89-119	05/08/89	Name removed	unknown		Two 55 gallon drums of formaldehyde.
† <sup>14</sup> 89-123	05/12/89	Name removed	Union Tank car		Clean-up in progress.
† <sup>14</sup> 89-128	05/24/89	Name removed	Union Tank		Trucks going in and hauling material out.
89-131	05/25/89	Anonymous	GDC Engineering		Storage of benzenes and "pond" materials.
89-132	05/25/89	Dept. Public Works	BR Municipal Bldg.		Site is an eyesore.
89-133	05/25/89	Name removed	LA Oil		Oil in yard.
89-137	05/24/89	Name removed	Jiffy Lube		Pipe leaking - killing grass.
89-140	05/26/89	Name removed	Name removed		Seepage killing trees.
89-142	06/06/89	Name removed	Name removed		Discharging petroleum products onto yard.
89-143	06/07/89	Anonymous	Name removed		Neighbor pouring oil in

TABLE 4 (CONTINUED)  
LDEQ EMERGENCY RESPONSE CITIZEN COMPLAINTS  
1988 - 1993

LOG #	DATE	REPORTED BY	VIOLATION LOCATION OR VIOLATOR	ADDRESS	COMPLAINT/VIOLATION
89-145	05/25/89	Anonymous	Northside Motors		culvert.
89-148	06/14/89	Name removed	Name removed		Dumping chemicals.
89-149	06/15/89	Anonymous	LA Environmental		Hazardous waste drums on property.
89-151	06/16/89	Anonymous	Allied Signal		Washing protective clothing in street.
89-152	06/21/89	Name removed	Name removed		BFI truck leaving facility spilling green catalyst on road.
† <sup>D12</sup> 89-153	06/22/89	Name removed	Rollins		Oil spilled in yard from neighbor's yard.
89-158	06/22/89	Anonymous	unknown		Odors.
89-159	06/22/89	Name removed	unknown		Oil in canal off Harding Blvd.
89-161	05/30/89	Name removed-Baton Rouge Fire Dept.	South Central Bell		Material dump in lot next to them.
89-164	06/26/89	Anonymous	Capitol Heights		Found oily substance in manhole.
89-169	06/29/89	Anonymous	Exxon		Dumping waste oil on ground.
89-173	07/06/89	Anonymous	Name removed		
89-175	07/10/89	Name removed	unknown		Unloading hazardous waste from ship onto barge.
89-177	07/13/89	Anonymous	Transport Services, Inc.		Barrel found in creek labeled Ciba Geigy.
89-199	07/06/89	Name removed	In front of N.O. Sewerage and Water Board		Waste draining from back of property.
89-205	07/21/89	Name removed	Dan Chase Enterprises		Three tank trucks in big field area.
89-207	06/14/89	Name removed	unknown		Convoy of trucks parked daily in front of building.
89-211	07/25/89	Anonymous	Allied Signal		
89-213	08/02/89	Anonymous	LA Oil and Refinery		Work related accident exposed to polyurethane foam chemicals.
89-217	07/28/89	Name removed	unknown		Possible one pint mercury.
89-218	08/04/89	Name removed	Merit Contractors		Black smoke from pit.
89-219	08/05/89	Name removed	GSU		Spills migrating onto neighborhood.
89-220	08/07/89	Name removed	unknown		Alleges that material in parking lot is burning their eyes and throat.
89-225	08/15/89	Name removed	Exxon		Dead fish in canal.
89-226	08/14/89	Baton Rouge Fire Dept.	Barge		Transformer oil spill.
89-227	08/16/89	Name removed	unknown		Spots on cars in lot.
89-234	08/14/89	Name removed	DEMCO		Oily substance on car.
89-240	08/31/89	Name removed	unknown		Insulation burning.
89-241	08/24/89	Name removed	unknown		Concerned due to death and cancer.
89-244	09/08/89	Anonymous	VIP		Transformer leaking.
89-245	09/11/89	Name removed	unknown		Trucks dumping something into ditch.
89-248	08/22/89	Name removed	unknown		Load of gravel or aggregate.
					Hazardous chemicals washed out of trucks into ditch.
					Questions regarding spill of truck load of catalyst.
					Spots on cars.

TABLE 4 (CONTINUED)  
LDEQ EMERGENCY RESPONSE CITIZEN COMPLAINTS  
1988 - 1993

LOG #	DATE	REPORTED BY	VIOLATION LOCATION OR VIOLATOR	ADDRESS	COMPLAINT/VIOLATION
89-252	09/14/89	BR Haz Mat	unknown		Drum of material found on a street corner.
89-253	07/11/89	Name removed	Factory Engine Exchange		Unknown liquid from Main St. business.
89-256	09/15/89	Name removed	ML Incorporated		Saw 18 wheeler leaking oil.
89-257	05/18/89	Name removed	Irish Pipe Coating		Spilled some material on site.
89-259	09/21/89	Name removed	unknown		Oil stain in ditch across from LTI.
89-261	09/25/89	Name removed	unknown		Papermill odor.
89-262	09/25/89	Name removed, LSU	unknown		30 gallon drum of Isotron II found.
89-265	09/18/89	Anonymous	Flannery Rd Mini Dump		Putting used oil on ground to settle dust
89-270	10/09/89	Name removed	Asplundh		Trucks emptying tank at dead end road
89-272	10/16/89	Name removed	unknown		Truck appears to be leaking sulphur
89-277	10/23/89	Baton Rouge Fire Dept.	GSU		Found 2 transformers
89-287	11/02/89	Name removed	Salvation Army		2 chlorine cylinders dropped off
89-288	10/30/89	Name removed	unknown		2 pints Acetaldehyde
89-289	11/06/89	Name removed	unknown		White material everywhere on property
89-294	10/27/89	Name removed	Russmor, Inc.		Pouring drum contents into sewer system
89-295	11/06/89	Name removed	Exxon Chemical		Odors from Exxon
89-296	11/07/89	Name removed	unknown		Bad odor in neighborhood
89-297	11/09/89	Name removed	unknown		Odors
89-298	11/09/89	Name removed	unknown		Odors
89-301	11/16/89	Anonymous	Jiffy Lube		Dumping oil on ground/UST are leaking
89-303	11/17/89	Anonymous	ETC-Toxicon Environmental Testing		Storing ice chest containing dioxins
89-306	11/15/89	Anonymous	BREC		Digging up old barrels of chemicals
89-308	11/22/89	Name removed	unknown		Fish kill
89-309	11/27/89	Name removed	Baker Building Storage		Oily substance leaking under door
89-311	11/21/89	Name removed	CWM Transport		Truck dripping white material on interstate
89-312	11/28/89	Name removed	unknown		Baby Powder odors from Southwest
89-318	12/02/89	Name removed	unknown		Foul odors
89-319	12/02/89	Name removed	unknown		Foul odors
89-321	12/05/89	Name removed	C & L Transport		Oil spillage in parking lot
89-324	12/13/89	Anonymous	World Stress, Inc.		Spillage on South side of property along fence line
89-326	12/06/89	Officer Armstrong	Auto Shop		Using pit to dump used oil
89-331	12/19/89	Name removed	unknown		Red stain in lake behind DOTD
89-332	12/20/89	Name removed	Exxon		Rotten egg odors
89-333	12/21/89	Name removed	unknown		Drums of oil on site (abandoned site)
89-340	12/05/89	Anonymous	La. Oil & Refining Co.		Discharge from a tank truck into sewer

TABLE 4 (CONTINUED)  
LDEQ EMERGENCY RESPONSE CITIZEN COMPLAINTS  
1988 - 1993

LOG #	DATE	REPORTED BY	VIOLATION LOCATION OR VIOLATOR	ADDRESS	COMPLAINT/VIOLATION
90-001	01/03/90	Anonymous	Construction Materials		Allowing paint waste to spill on property
90-005	01/02/90	Name removed	Ralph & Kacoo's Restaurant		Unusual material on creek
90-006	01/04/90	LSP	unknown		Chemicals being released into air
90-007	01/04/90	Name removed	unknown		Used gasoline tanks in a field near high school
90-008	01/08/90	Name removed	Poco Environmental		2 trucks leaking liquid material going into Rollins
90-013	01/17/90	Name removed, Network Support	Concept Construction		Chemicals stored at 11616 Industriplex Suite 32
90-014	01/15/90	Anonymous	unknown		Dumping in river
90-015	01/16/90	Name removed	Ferro-Grant Chemicals		Odors
90-019	01/19/90	Name removed, Horizon Federal	Dowty Machine Works		Very strong chemical odor coming from drain
90-021	01/24/90	Name removed	Dept. of Education		Something in building making them sick
90-022	01/26/90	Anonymous	LA Chemical Polymers, Inc.		Records made up
90-023	01/26/90	Name removed	LA Oil		Hasn't removed water and oil from under house
90-029	02/05/90	Anonymous	Poco Environmental Services		Had backhoe burying something
90-030	02/05/90	Name removed	unknown		Oily material oozing out of ground
90-031	02/06/90	BRFD Haz Mat	unknown		Natural gas blow out
90-033	01/22/90	Name removed	unknown		Black smut on inside of windows
90-034	02/05/90	Anonymous	Allied Chemicals		Large amount of smoke
90-036	02/08/90	Name removed	Factory Engine Exchange		Neighbor complained that engine oil on ground is getting into water meter box
90-037	02/12/90	Name removed	unknown		Smoke coming from a plant
90-038	02/07/90	Name removed	Westside Galvanizing		Truck has opening in back with clear liquid falling from it
90-040	02/09/90	Name removed	Evergreen Acres		Hauling truck loads of stuff they don't know what it is
† <sup>D12</sup> 90-041	02/14/90	Anonymous	Rollins		Odor
90-042	02/15/90	Name removed	LSU Campus		Gas tank has gas seeping in ground
90-043	02/14/90	Name removed	unknown		Odor
90-044	02/14/90	Name removed	Name removed		Neighbor has sump pit
90-048	02/19/90	Name removed	Poco Environmental		Haz Waste truck parking over night across street from school
90-049	02/01/90	Name removed	unknown		Cleaning filters on vacant property
90-050	02/20/90	Name removed	Most Blessed Sacrament		Mercury in school classroom
90-057	02/28/90	Anonymous	Exxon Chemical		Benzene leak that hasn't been reported
90-060	02/21/90	Anonymous	Charlotte Chemical Co.		Dropping red material from truck
90-061	02/22/90	Name removed	unknown		Oil like substance coming



TABLE 4 (CONTINUED)  
LDEQ EMERGENCY RESPONSE CITIZEN COMPLAINTS  
1988 - 1993

LOG #	DATE	REPORTED BY	VIOLATION LOCATION OR VIOLATOR	ADDRESS	COMPLAINT/VIOLATION
90-062	02/23/90	Name removed	unknown		out of ground Oily substance leaching from ground onto sidewalk
90-063	02/23/90	Name removed	Steve D. Thompson Trucking		Diesel fuel
90-064	02/26/90	Name removed	unknown		Oily substance coming from ground
90-070	03/06/90	Anonymous	unknown		Chemicals in the building
90-077	03/15/90	Name removed	LaRoche Chemical		White powder on vehicles
90-082	03/20/90	Anonymous	Rollins Truck Rental		Haz wastes, chemical waste being dumped into drainage ditch
90-083	03/20/90	Anonymous	VIP		Buried catalyst
90-085	03/22/90	Name removed	GSU		Sprayed to kill trees, killed garden
90-087	03/23/90	Name removed	Brooktown		Odor making people sick
90-089	03/26/90	Name removed	unknown		Vapors from storm drain
† <sup>D13</sup> 90-091	03/29/90	Anonymous	Schuylkill		Explosion
90-092	04/02/90	Name removed	unknown		Possession of one gallon can 2,4,D
90-095	02/23/90	Name removed	unknown		Oil spilled at water meter
90-098	04/03/90	Anonymous	Name removed		Has transmission shop with oil everywhere
90-105	04/09/90	Name removed	unknown		Oily spot in yard
90-106	04/19/90	Name removed	Name removed		Pouring motor oil in storm drain
90-109	04/20/90	Anonymous	Guy's Towing		Diesel spill behind shop
90-110	04/30/90	Name removed	Custom Coatings		Accumulation of drums
90-111	05/01/90	Name removed	LA Oil		Oil is puddled in a hole dug to collect oil from spill
90-113	05/01/90	Name removed	Name removed		Neighbor pouring diesel along fence killing grass
90-114	05/02/90	Anonymous	Wal Mart Parking Lot		Oil like substance coming through cracks
90-125	05/09/90	Name removed	Exxon Chemicals		Strong odors
90-128	05/09/90	Anonymous	LOL Hospital		Complaining of respiratory problems
90-129	05/11/90	Name removed	Sonny's Auto Shop		Vapors effecting neighbors
90-131	05/17/90	Name removed	unknown		Cement truck washing out into drainage canal
90-134	05/15/90	Anonymous	Cottman Transmission		Dumping used transmission oil on empty lot
90-136	05/18/90	Name removed	Southern Ionics		Black specs getting under paint
90-138	04/30/90	Name removed	unknown		Oil fumes coming from leak on ground
90-141	05/10/90	Name removed	PSI Environmental		Trailer parked here
90-157	05/23/90	Name removed	Memorial Exploration Co.		Tank near apartment complex leaking liquid
90-158	05/24/90	Anonymous	Name removed		Selling unlabeled bottles of roach pesticide
90-160	05/22/90	Name removed	unknown		Haz waste barrels (25-30) next to woods
90-161	05/25/90	Name removed	Name removed		Burning trash at night
90-165	05/30/90	Anonymous	Name removed		Haz material stored in backyard and building next door
90-169	05/29/90	Name removed	Name removed		Next door house has pile of

TABLE 4 (CONTINUED)  
LDEQ EMERGENCY RESPONSE CITIZEN COMPLAINTS  
1988 - 1993

LOG #	DATE	REPORTED BY	VIOLATION LOCATION OR VIOLATOR	ADDRESS	COMPLAINT/VIOLATION
90-173	06/14/90	Anonymous	Exxon Refinery		garbage and old paint cans
90-176	06/19/90	Name removed	Name removed		Sludge pit not lined
90-179	06/28/90	Anonymous	Southern Scrap Metal		Spraying diesel to kill weeds
90-181	07/12/90	Name removed	Name removed		Insulation falling out of truck
90-182	05/29/90	Anonymous	Metal Works Corp.		Waste oil all over property
90-189	06/25/90	Name removed	unknown		Drums leaking oil into canal
90-194	07/11/90	Name removed	unknown		Abandoned drums (4 or 5)
90-197	07/14/90	Name removed	unknown		blue - empty or no liquids
90-199	07/19/90	Anonymous	LA Oil		Loads of waste being brought in
90-200	07/10/90	Name removed	Name removed		Oil seeping from underground storm sewer
90-201	07/19/90	Name removed	Area Wholesale Tire		Green liquid on Scenic Hwy in front of business
90-219	07/06/90	Name removed	unknown		Drum of weed killer reported leaking
90-221	08/03/90	Name removed	unknown		White residue on trees and house, trees dying
90-222	08/07/90	Anonymous	unknown		Used motor oil is seeping onto his property
90-225	08/03/90	Name removed	GSU		Rainwater from roof, leaking into building
90-226	08/09/90	Name removed	unknown		Odor of pesticides
90-227	08/10/90	Anonymous	unknown		Transformer leaking in backyard
90-228	08/13/90	Name removed	DEMCO		Chemicals in shed
90-231	08/16/90	Anonymous	Rhone Poulenc		Truck stopped in road
90-238	08/23/90	Name removed	LA Oil		dumping something in creek
90-241	08/17/90	Anonymous	Specialty Plastics		Changing transformers
90-242	08/20/90	Name removed, OCAW	BASF		allowing oil to run all over yard
90-244	08/29/90	Name removed	Sullivan Construction Co.		2 weeks ago burning PCBs
90-251	08/31/90	Name removed	GSU		Oil in his yard
90-255	09/12/90	Anonymous	Exxon Service Station		Haz waste kept on site in drums
90-256	09/12/90	Name removed	Petro Chemical		MDI had spilled
90-257	09/13/90	Anonymous	unknown		Dumping materials on lot next door
90-258	04/18/90	Name removed	Charlotte Chemical, Whitehead Service		Transformer exploded releasing oil
90-259	09/11/90	Name removed	unknown		Pouring anti-freeze down drain
90-263	09/06/90	Name removed	Factory Engine		Leaking unknown material on interstate
90-264	09/19/90	Name removed	Auto-Chlor		Dumped oil on ground and along fence line
90-265	09/24/90	Anonymous	Drusilla Seafood		Chemical being transferred from railroad cars and cylinder shaped tanks
					Found empty cylinder behind house
					Motor shop cleaning engines letting oil run everywhere
					6 empty drums labeled "Caustic Soda"
					Dumping trash in Ward's

TABLE 4 (CONTINUED)  
LDEQ EMERGENCY RESPONSE CITIZEN COMPLAINTS  
1988 - 1993

LOG #	DATE	REPORTED BY	VIOLATION LOCATION OR -VIOLATOR	ADDRESS	COMPLAINT/VIOLATION
90-270	07/13/90	Name removed	Gulf-Wardes Plastics		Creek located behind business
90-277	10/11/90	LA State Police	unknown		Dumps 55 gallon drums of acetone behind shop
† <sup>D13</sup> 90-283	09/21/90	Anonymous	Schuylkill Corp		Found drum behind shopping center on Lee Dr.
90-286	10/10/90	Anonymous	Halley's Car Care Center		Storing drums and haz waste in old abandoned drums
90-291	10/30/90	Anonymous	Exxon Chemical		Yard has large puddle of oil
90-303	11/29/90	Anonymous	Texaco Gas Station		Employee comes home with chemicals
90-310	11/30/90	Name removed	Ferrara Fire Fighting Equipment Co.		Hosing oil down into street and storm drain
90-313	11/06/90	Anonymous	Name removed		Releases white powdery substance
90-314	12/13/90	Name removed	unknown		Buried insulation or asbestos in pits on property
90-315	12/12/90	Name removed	unknown		Cleaning equipment on corner reported diesel going into ditch
90-320	12/28/90	Name removed	Flow Products		Abandoned drums found at 670 Canal, B.R.
90-321	12/12/90	Anonymous	Dan Charks Taxidermy		Odor problem
90-323	12/20/90	Name removed	Dairy Fresh		Methylene chloride and acetone being dumped on back of property
90-324	09/21/90	Name removed	Name removed		Open burning - during night hours
90-332	06/25/90	Name removed	unknown		4-5 abandoned drums located on his property
90-335	11/15/90	Name removed	unknown		Odor Complaint
91-001	01/02/91	Name removed	Riverside Concrete Plant		Drums on property
91-002	01/03/91	Anonymous	unknown		Check for contamination
91-005	01/07/91	Name removed	unknown		White powder flying out of top of tank
91-010	01/15/91	Name removed	unknown		Odor in and around house
91-014	01/18/91	Name removed	unknown		Ditch behind Diamond Motors has oil on top of water
91-015	01/16/91	Name removed, DOTD	unknown		Complaining of gasoline odors in bathroom
91-019	02/04/91	Name removed	LAP230065348 GSU		Diesel odors in basin drain
91-022	02/13/91	Anonymous	unknown		Transformer leaked in backyard
91-023	02/13/91	Anonymous	unknown		Strong odors
91-038	02/14/91	Anonymous	unknown		Strong sulfuric acid smell
91-039	02/19/91	Anonymous	Name removed		Three 55 gal. drums next to railroad tracks
91-040	02/21/91	Anonymous	Peterbilt Truck		Filling in ravine with trash and garbage
91-041	02/27/91	Anonymous	C & E Carwash		Spilled oil on ground covering up with rocks
					Dumping motor oil behind building

TABLE 4 (CONTINUED)  
LDEQ EMERGENCY RESPONSE CITIZEN COMPLAINTS  
1988 - 1993

LOG #	DATE	REPORTED BY	VIOLATION LOCATION OR VIOLATOR	ADDRESS	COMPLAINT/VIOLATION
91-046	03/08/91	Name removed, W2 Division	Southern Scrap		Requested assistance at the site
91-048	03/11/91	Name removed	Kajun Iron Works		Dumping Zylene paint thinner in back of lot
91-051	03/06/91	Name removed	Gateway Properties		Five 55 gal drums filled with unknown material
91-056	03/14/91	Name removed	unknown		Found 5 gallons of hydraulic fluid
91-057	03/15/91	Anonymous	Name removed		Fire yesterday in home involved oil
91-062	03/21/91	Anonymous	Western American		Asbestos seeping into ground acetylene without caps
91-063	03/25/91	Name removed	unknown		Dumping this PM maybe scraps
91-066	04/01/91	Name removed	unknown		Illegal dumping
91-070	04/02/91	Anonymous	BR Barge Terminal		Handling haz waste without proper facilities
91-074	03/14/91	Name removed	Maintenance for Industry		Has been sandblasting outside the shop and there are some drums inside
91-077	04/15/91	Name removed	unknown		Automobile gas tanks in yard
91-083	04/05/91	Name removed	unknown		Found abandoned cylinder in field
91-085	02/22/91	Anonymous	Custom Automotive		Several drums of paint releasing odors
91-086	03/31/91	Name removed	unknown		Containers in a storage building
91-090	04/19/91	Name removed	LA Oil		Contamination on his property
91-091	04/22/91	Name removed	unknown		Husband burning leaves - exploded
91-092	04/23/91	Anonymous	Name removed		Sign on garage says "Do Not Enter - Haz Materials Stored Here"
91-093	04/23/91	Anonymous	Name removed		Fish heads, etc., dumped in ditch
91-094	04/24/91	Name removed	Charlotte Chemical		Bldg without roof being used to produce chemicals
91-098	04/26/91	Name removed , Off. of Secretary	unknown		Passed pick-up loaded down with barrels Tag #750372
91-109	04/09/91	Anonymous	unknown		Dump trucks picking up substance
91-128	03/27/91	Name removed	unknown		Oil in drainage ditch
91-130	04/18/91	Name removed	unknown		Saw truck dumping material
91-132	05/01/91	Anonymous	unknown		Two barrels dumped on Burbank in ditch
91-134	05/02/91	Anonymous	unknown		Abandoned house
91-136	05/08/91	Name removed	unknown		Has bottle of material she doesn't need
91-137	05/08/91	Anonymous	Herb's Trailers		Fifteen or more barrels of used motor oil behind house trailers
91-138	05/08/91	Anonymous	Auto Chloro		Transporting chemicals in open back trucks
91-144	05/23/91	Anonymous	unknown		Bubbling substance in ditch
91-146	05/26/91	Name removed	unknown		Oil sheen in yard
91-147	05/28/91	Name removed	unknown		Oily substance coming out of yard
91-156	05/23/91	Name removed	unknown		Used diesel oil from

TABLE 4 (CONTINUED)  
LDEQ EMERGENCY RESPONSE CITIZEN COMPLAINTS  
1988 - 1993

LOG #	DATE	REPORTED BY	VIOLATION LOCATION OR VIOLATOR	ADDRESS	COMPLAINT/VIOLATION
91-158	06/04/91	Anonymous	Don Kraft, Inc.		neighboring property Suspicious activity with truck carrying drums with yellow stickers
91-167	06/05/91	Name removed	Chevron Station		Gasoline leaking into drain
91-169	05/30/91	Name removed	- unknown		Abandoned trailer in field by house
91-173	05/07/91	Name removed	Old Sharp Station		Huge piles of lead pigs next to piles of bauxite
91-180	05/08/91	Anonymous	Johns & Hodge Realty		55 gal drums spilled out leaking everywhere
91-181	05/31/91	Name removed	Pelican Office Supply		Dumping film developer and other chemicals in grass behind the warehouse
91-185	06/13/91	Name removed	unknown		Strong, Suffocating odor
91-187	06/20/91	Anonymous	Name removed		Dumping oil in drainage ditch
91-195	06/24/91	Anonymous	B.E. & K. Construction		3 unmarked and unlabeled drums
91-196	06/28/91	Anonymous	All Pro Paint & Body		Spray painting 18 wheelers - paint going across street
91-197	07/03/91	Name removed	unknown		Regarding sewerage discharge
91-205	06/07/91	Anonymous	unknown		Dumping oily chips on ground
91-206	06/10/91	Name removed	Name removed		3 drums in backyard
91-207	06/12/91	Anonymous	Exxon Refinery		Oil on ground
91-210	07/03/91	Name removed	Texaco Station		12-15 55 gal drums labeled "Haz Waste"
91-211	07/08/91	Name removed	unknown		Barn full of "T5" paint thinner
91-212	07/08/91	Anonymous	Name removed		18 wheelers with box trailers washing out without permit
91-213	07/09/91	Anonymous	Coastal Terminal Systems		Being used as a dump site
91-228	07/19/91	BRFD	Name removed		Diesel fuel on ground and drums stored unlabeled
91-237	05/29/91	Name removed	Name removed		Cleans equipment at house and run-off is going onto his property
91-239	07/15/91	Name removed	House of Representatives		8 gallons of isoparaffinic petroleum solvents in 6 plastic containers
91-240	06/27/91	Name removed	Kenton Fast Foods		Had overflow of cooking grease, oil, etc.
91-241	07/22/91	Anonymous	Performance Transmission & Car Care Center		Releasing transmission fluid and motor oil
91-246	07/24/91	Name removed	unknown		Vacant house with jugs in backyard wants to know what is in them
91-248	07/30/91	Name removed	Amtex		Dumping dirt by property with strong odors
91-257	08/12/91	Name removed	unknown		Foul odors
91-260	08/13/91	Anonymous	T & T Transporters		Hauling chlorinated solvent contaminated waste oil in his trucks
91-264	05/22/91	Anonymous	Car Care Center		Disposing of oil, trash, and chemicals behind building



TABLE 4 (CONTINUED)  
LDEQ EMERGENCY RESPONSE CITIZEN COMPLAINTS  
1988 - 1993

LOG #	DATE	REPORTED BY	VIOLATION LOCATION OR VIOLATOR	ADDRESS	COMPLAINT/VIOLATION
91-265	07/19/91	Anonymous	Dupres Paint and Body		Disposing of paint waste into used oil tank
91-266	07/23/91	Name removed	GSU		Transformer exploded in backyard
91-269	08/07/91	Anonymous	Younger Brothers		Alleged to have spilled 6,900 gals. of "plasticizer" chemical
91-283	08/29/91	Anonymous	Name removed		Burning hay causing tremendous smoke
91-284	09/06/91	Name removed	unknown		Haz Waste coming from pipe going into Capitol Lake
91-289	08/21/91	Name removed	unknown		All kinds of chemicals in shed
91-291	08/23/91	Name removed	Jiffy Lube		Pipe is discharging from Jiffy Lube into driveway
91-293	09/07/91	Name removed	Name removed		Strong odors
91-294	09/10/91	Anonymous	MS Chemical Express		Dumped 800 gals of caustic soda in sewage
91-295	09/10/91	Anonymous	Texaco		Five 55 gal drums with yellow stickers
91-298	08/15/91	Anonymous	LA Dept of Public Safety		Disposing of paint and solvents in drain
91-299	08/16/91	Name removed	DEMCO		Leaking transformers
91-300	08/19/91	Name removed	unknown		Tenant is draining used oil into the street
91-301	08/28/91	Anonymous	unknown		Trucks are hauling barrels of haz waste onto or out of site
91-302	08/29/91	Anonymous	North American Hydraulics		Allegedly dumping haz waste
91-304	08/30/91	Anonymous	Automation Engineering Co.		Drums
91-305	09/05/91	Anonymous	Name removed		Repair shop has radiators leaking into the ground
91-307	09/09/91	Name removed	unknown		Drum of granulated chlorine oozing brown substance
91-311	09/15/91	Name removed	unknown		Oxygen bottle found in ditch
91-313	09/18/91	Anonymous	Dept of Public Works		Sludge on car
91-316	09/20/91	Anonymous	Matlack		Truck hauling waste/wash water
91-319	09/26/91	Name removed	Fabex		Thinks there is venting problem in building
91-335	09/20/91	Name removed	Apt #2		Oil draining on road
91-338	09/27/91	BRFD, Haz Mat	Red Stick Armature		Exhaust flue to heat kiln producing black smoke
91-340	09/30/91	Anonymous	Name removed		Accepting wood & oily dirt from GA Gulf and dumping behind his house
91-343	12/02/91	Anonymous	Name removed		Hauling stuff - trucks coming in and out
91-354	10/14/91	Name removed	Patin's Scrap Metal		Black substance flowing to the drain
91-356	10/15/91	Name removed	Name removed		Threw battery out on side of roadway
91-368	10/18/91	Name removed	Silk Screen It		Acetone and paint thinner stored together
91-369	10/21/91	Name removed	unknown		Rusty acetylene cylinder in

TABLE 4 (CONTINUED)  
LDEQ EMERGENCY RESPONSE CITIZEN COMPLAINTS  
1988 - 1993

LOG #	DATE	REPORTED BY	VIOLATION LOCATION OR VIOLATOR	ADDRESS	COMPLAINT/VIOLATION
91-370	10/21/91	Anonymous	GTC Chemical Services		ditch All sorts of chemicals leaking out of building onto yards
91-373	10/24/91	Name removed	Name removed		Transformer leaking oil
91-374	10/24/91	Anonymous	Name removed		Motor oil company moving - leaving barrels of oil behind
91-376	10/25/91	Name removed	unknown		Trash, paint cans, etc. in street
91-380	10/28/91	Anonymous	Premier Cleaners		Have cartridge cleaners in back holding PERC
91-381	10/28/91	Anonymous	Star Paper Tube		Transferring plastic
91-385	11/01/91	Anonymous	AWC Corporation		Possibility of explosives being stored in warehouse
91-399	11/08/91	Anonymous	Pizza Hut		Letting raw sewage run into ditch in front of business
91-402	11/14/91	Name removed	Sam and Boogie White		Dumping trash and burning tires to get metal out
91-406	11/08/91	Anonymous	Villa Auto		Dumps oil, gunk, etc. into ditch in front of business
91-407	11/12/91	Name removed	Name removed		Dumping trash on vacant lot
91-412	11/19/91	Name removed, BR Fire Dept.	unknown		Someone dumped drums in back of subdivision
91-414	11/25/91	Name removed	unknown		Dumped trash on property
91-420	12/05/91	Name removed	Reeve's Store		Incinerator has no grill on top
91-422	12/04/91	Name removed	unknown		Storing of oil and gasoline waste products in above ground tanks
† <sup>5</sup> 91-426	11/12/91	Anonymous	Ballard Motor Works		Barrels behind building leaking oil
91-429	11/08/91	Anonymous	Super Saver Cleaners		Improperly handling procedure
91-430	12/04/91	Anonymous	Formosa Plastics		Emptying tanks into river - making an illegal product
91-437	09/27/91	BRFD	Texaco Station		Abandoned drums
91-442	12/28/91	Name removed	unknown		Trucks going by house
91-450	09/06/91	Anonymous	Motor Exchange and Repair		Contaminated soil
† <sup>20</sup> 91-455	04/08/91	Anonymous	Daniell Battery		Lead poisoning
92-008	01/16/92	Name removed	unknown		Bad odor came through
		Metal Works			
92-022	01/21/92	Anonymous	Specialty Plastics		Open containers of chemicals
92-023	01/24/92	Anonymous	House		House that had trash in yard causing rodent problem
92-028	02/04/92	Anonymous	Celebration Station		Mishandling of waste oils
92-033	02/10/92	Name removed	Neutron Group		Bad odor in storm drain
92-034	02/11/92	Anonymous	Shell Station		Barrels full of soil
92-036	02/12/92	Name removed	Two Jacks		Diesel in ditch
92-044	02/11/92	Name removed	2873 Fellsway near Mammoth Dr.		Bucklers of fire fighting foam left in warehouse
92-045	02/13/92	Anonymous	LSU Fireman Training Center	Nicholson Dr.	Night time worker concerned with incident involving Haz. materials that occurred other day
92-046	02/13/92	Name removed	Name	10622 Toledo Bend	Paint cans and storing cans

TABLE 4 (CONTINUED)  
LDEQ EMERGENCY RESPONSE CITIZEN COMPLAINTS  
1988 - 1993

LOG #	DATE	REPORTED BY	VIOLATION LOCATION OR VIOLATOR	ADDRESS	COMPLAINT/VIOLATION
92-047	02/06/92	Anonymous	Buckner Rental Service	Dr. 11447 Cloverland	Mishandling of oil tank - leaking in ditch
† <sup>D12</sup> 92-048	01/15/92	Anonymous	Rollins		Mishandling waste
92-049	01/24/92	Anonymous	N. Gate LSU cat/corner to Chimes Restaurant		Mishandling of antifreeze like substance
92-055	02/19/92	Name removed	Corner of Choctaw and N. Sherwood		Rusty barrels, lead bars. Ross talked to Ms. Nichols re storage of lead and boxite at GSA facility, unable to satisfy. Ref to EPA, Dallas- Greg Tilf
92-058	01/24/92	Crime Stoppers, Name removed	Oolia Lake, Old Jefferson		Dumping Haz Waste in Oolia Lake in Old Jefferson
92-061	02/21/92	Name removed	I-12 Eastbound before Amite River Bridge		T/T Waste Mgmt. truck spraying liquid from the trailer
92-064	02/20/92	Name removed	GSA Site		Groundwater contamination as result of lead and boxite
92-067	02/20/92	Anonymous	Under I-10 bridge between Nicholson Dr. and St. Ferdinand		Red sand generated from sand blasting is not being contained. Sand is collected on surrounding ground and air.
92-070	03/06/92	Name removed, 9112 GSRI #1		9112 GSRI near Burbank	Chemicals dumped in sewer
92-071	03/05/92	Anonymous		13073 Plank Rd.	Flammable gas stored in tin building. Welding done in building.
92-074	03/10/92	Name removed	Ideal Cleaners	2655 Plank Rd.	Barrels of chemicals near his building. May be a fire hazard.
92-080	02/28/92	Anonymous	Close to Grant Chemical and EBR Proposed landfill	Irene Rd, off LA 61	Hauling in more boxite, old Kaiser site
92-081	03/12/92	Anonymous	Dan Babin Tires, across from our office		Radiator flushing on floor. Recharging air conditioners without collecting vapors.
92-092	03/12/92	Anonymous	Lewis Wrecking Service	9555 Joor Rd.	Illegal storing anti-freeze, batteries, old caps and night-time burning.
92-096	03/12/92	Anonymous		15513 Chaumont Dr.	Painting Co. located in residential section and they leave paint cans outside.
92-097	03/23/92	B.R. Fire Department	Corner of Florida and Wooddale		Gas/Oil on grass from motor vehicle accident.
92-100	03/09/92	Anonymous	White Oak Subdivision	18339 Creek Hollow Lake	Burning used paint cans.
92-102	03/25/92	Name removed	Old Wards Creek, 100' NW of Perkins Rd & NW of Hollingsworth Equipment		55 gallon drum in creek
92-112	03/26/92	Anonymous	H & H Sales, Off Staring Lane	9144 Kingscrest Dr.	Illegal chemicals being stored

TABLE 4 (CONTINUED)  
LDEQ EMERGENCY RESPONSE CITIZEN COMPLAINTS  
1988 - 1993

LOG #	DATE	REPORTED BY	VIOLATION LOCATION OR VIOLATOR	ADDRESS	COMPLAINT/VIOLATION
92-122	04/09/92	Name removed	Glenoaks Subd.	4534 Oaklawn Dr.	Dumping oil along fence
92-123	04/10/92	EBR Public Works	Off Staring Lane near Boone		Illegal Dumping 3 sites
92-125	04/15/92	Name removed	Lakewood Estates		Contractor is burning materials left over from job sites.
92-126	04/16/92	Anonymous	Behind Industrial Park on Hollyfield Dr.		Company guaranteed restoration dumping shingles, chemicals, trash, etc.
92-129	04/16/92	Name removed	Near Harrell's Ferry Rd	3423 Yorkfield	5-gallon drum oil and gas left on street for disposal. unknown
92-135	04/10/92	Name removed	unknown		Servitude area becoming dumping ground.
92-143	04/24/92	Anonymous	Ned Ave off Gardere - Sable Chase Apts.		Oil flowing into pond behind Blue Cross Building
92-149	04/29/92	Anonymous	Reitz Ave. off Bluebonnet		Neighbor spilled 1 to 1-1/2 gallons oil on his driveway and has not cleared it up
92-150	04/29/92	Name removed	Off Gardere Ln.	8230 Sky Sail	Lawn mower oil being dumped into sewer.
92-155	04/30/92	Anonymous	Orleans Dr. - Between Perkins and Chalmette		
92-171	05/04/92	EBR Sheriff's Office	Hammond Manor		Four 5-gallon pails of waste oil abandoned
92-180	05/08/92	Anonymous	E. Industrial Dr.		Company is removing dirt from property which is creating an odor
92-192	05/18/92	Name removed	White's Trucking		Burning tires, water problem and slimy residue
† <sup>5</sup> 92-195	04/12/92	Anonymous	Ballard's Motorworks		Possible contaminated oil all over ground, beneath autos, in barrels, etc.
92-197	05/20/92	Name removed	Horseshoe Bend Road		Barrel of unknown liquid washed up on his property at 9052 Horseshoe Bend Rd.
92-200	05/20/92	Name removed	Shenendoah Subd.	Ferrell Street	Contractor left oil on ground and median
92-203	05/20/92	Name removed, DOTD	LA 30 & Intersection of US 61 - DOTD Maintenance Facility		2 Drums weed killer found
92-204	05/20/92	Name removed	Scenic Hwy - down from Exxon Plastics		Black smoke in air
92-206	05/04/92	Anonymous	SE corner of S. Choctaw and Wooddale Blvd.		Company dumping paint waste onto ground and into sewer. Can smell and see
92-210	05/22/92	Name removed	Park Vista Subdivision	10383 Zerlee	GSU transformer leaked and greasy substance still around tree
92-211	05/22/92	Name removed	Bayou Sorrell		Found IV feeding bag with tubes still on it (no needle seen) hanging in bush
92-220	05/29/92	Name removed	Sam's Warehouse	Airline Hwy.	Truck driver threatening to dump industrial strength Liquid Plumber
92-226	05/26/92	Name removed	River City Valve Co.	10020 Mammoth Dr.	Company is washing their waste onto his property.
92-241	06/01/92	Name removed	Next to Brunet's	Florida at Flannery	Drum buried on property

TABLE 4 (CONTINUED)  
LDEQ EMERGENCY RESPONSE CITIZEN COMPLAINTS  
1988 - 1993

LOG #	DATE	REPORTED BY	VIOLATION LOCATION OR VIOLATOR	ADDRESS	COMPLAINT/VIOLATION
92-242	06/01/92	Name removed	Village St. George, Right Mullens		Patches of black circles in yard
92-243	05/14/92	Name removed	Across street from Morning Advocate in woods		Someone's dumping 10-gallon plastic paint buckets in woods
92-262	06/17/92	Name removed	I-10 & I-12 split, past I-12, 100 yards		Standing oil, last 2-3 days
92-264	06/18/92	Name removed	Indian Mound Subdivision		Improper storage, no markings on above ground diesel storage tank & heavy equipment in residential area
92-271	06/13/92	Name removed		12022 Troy	Neighbor draining motor oil from car
92-276	06/24/92	Anonymous	Behind Exxon on Pittsburg St.		Abandoned drums
92-279	06/24/92	Anonymous	Lounge on Donmoor		3 abandoned drums behind lounge
92-289	06/26/92	Name removed	Vacant Lot	14016 Joor Rd.	Someone is pouring oil and filters along the fence line
92-293	06/26/92	Anonymous	unknown		Company covering acid leak with concrete slab
92-296	06/27/92	Name removed, B.R. Fire Department	End of N Dumont	11941 Witchcraft	Drums found on property
92-296	06/27/92	Name removed, B. R. Fire Department	Audubon Storage & Lock Co.	13822 Florida Blvd.	Drums found on property
92-299	07/01/92	Name removed	Airline and Old Perkins - Take rt - 1st rd. on rt to end of circle		Material dumped in ditch, contained sparkling buckets, sheet rock, tile material, etc.
92-306	07/02/92	Name removed		Joor Rd.	Dumping unwanted items onto her vacant lot
92-327	07/08/92	Anonymous	Amoco Transmission - Close to Valenti Furniture	Florida nr O'Neal Ln.	Running oil into ditch behind business
92-338	06/23/92	Name removed	unknown		"Roach Spray" from Miss. and fumes are toxic
92-362	07/27/92	Name removed	Old Scenic Hwy. After turn off Interstate, go N near H & H Club		Trash piles, possibly State Hwy Right-of-way
92-389	08/06/92	Anonymous	Calvin Theriot Lawnmower Serv., S. Flannery btwn Old Hammond & Goodwood		Dumping oil behind shop, going into canal
92-411	08/19/92	Name removed	Mayfair Park Subdivision	997 Elysian Dr.	Dumping of drums behind property
92-431	08/31/92	Name removed	Mathina's Furniture, 7578 or 7875 Greenwell Springs Rd.		Illegal dumping of Haz Waste materials thinners, strippers
92-438	09/02/92	Name removed	LSU Lakes, canal that skirts So. side		Strong sewerage smell dead fish
92-441	09/02/92	Direct from Beeper Co. to Hotline	unknown		Transformer oil spilled in backyards
92-448	09/09/92	Anonymous	Woodstone Subdivision		Neighbor behind her dumping used oil on servitude behind her home



TABLE 4 (CONTINUED)  
LDEQ EMERGENCY RESPONSE CITIZEN COMPLAINTS  
1988 - 1993

LOG #	DATE	REPORTED BY	VIOLATION LOCATION OR VIOLATOR	ADDRESS	COMPLAINT/VIOLATION
92-457	09/15/92	Name removed	Perkins Road Exit		White substance on road and she want to know what it is (lime)
92-462	09/16/92	Name removed	Beachwood between Prescott & Sherwood St.		Abandoned drum, various trash and appliances
92-480	09/22/92	Air Quality - CRO	Briarwood Country Club	13209 Airline Hwy	Burn pile next to diesel tank
92-486	09/28/92	Name removed	Canal along Hermitage Oaks Parkway in Hermitage Oaks Subdivision		Dumping in canal, water is different colors, has foul odors
92-495	10/01/92	Name removed	Sullivan Rd. and Gurney, back in woods		Elect. transformer down says DEMCO has not picked it up
92-501	10/04/92	Anonymous	McKenzie Chemical Co.		Buried (9) cardboard drums of crystallized material on property
92-516	10/13/92	Anonymous	Lot B2 A3 - Beaubois Subdivision S/W corner Beaubois & McCullen Rd.		Property owner storing tanks/trucks on vacant lot, some trucks contain product
92-555	10/30/92	Name removed	Woodstone Subdivision, off Highland Dr.		Gasoline odor from storm drain removing leaves and noticed smell.
92-557	10/28/92	Name removed	400 block of Hatcher		Benzene odor and raw sewage smell.
92-561	11/04/92	Name removed	Pecue Ln, between Perkins Rd & Highland Rd.		2 barrels in grass on property unsure of contents.
92-563	11/05/92	Anonymous	Crossroads Grocery-Phillips 66, SE Corner Hwy 67 & 64		Diesel and sludge leaking from above ground storage tank.
92-564	11/03/92	Name removed	Near Sherwood Blvd & Fla. Blvd.		Odors in closed where former tenant developed X-rays
92-592	10/26/92	Anonymous	off Blackwater Rd. near Zachary, La.	11160 McCullough Rd.	Tanks and Petroleum transport vehicles being stored on vacant lot some contain product - owner Sam Hussein
92-595	11/21/92	Anonymous	Boardwalk St. behind Red Roof Inn		Abandoned drums
† <sup>012</sup> 92-605	12/01/92	Name removed	Rollins Rd, between Thomas Rd. & Raife Rd.		Concrete Co. washing trucks out onto ground and canals, oil on ground
92-617	12/04/92	Name removed	Behind his home	16947 Hamilton	Tanker trailer in woods, had a grass fire nearby.
92-638	06/26/92	Anonymous	West of Biltmore Subdivision		Illegal dumping in woods west of subdivision
93-002	01/04/93	Name removed	Take Creole Lane, turn on Gsri, rt. on Seaboard, left on Fountainbleu	1st house on right	Building analytical chemistry lab next to his house. Wants DEQ to check out storage of chemicals. Rusty drums are stored behind farm.
93-018	01/12/93	Name removed	Gardere Lane near		Clear liquid coming out of

TABLE 4 (CONTINUED)  
LDEQ EMERGENCY RESPONSE CITIZEN COMPLAINTS  
1988 - 1993

LOG #	DATE	REPORTED BY	VIOLATION LOCATION OR VIOLATOR	ADDRESS	COMPLAINT/VIOLATION
93-020	01/20/93	Name removed	Hwy 30. North side oil well & silver storage tank.		pump next to silver storage tank.
93-024	01/26/93	Name removed	Highland Creek Subdivision. Stoney Creek.		Sewage all in street.
93-027	01/27/93	Anonymous	Sunnybrook Dr.		Oil/diesel from flood waters.
93-030	01/13/93	Name removed	Nicholson Dr. across from Ramada Inn		Dumping diesel, used oil and paint waste onto ground and into ditch. Storing deteriorating canisters.
93-032	02/01/93	Anonymous	Vacant land - Boardwalk Dr.		Drums being dumped on property.
92-083	03/16/92	Name removed	South Wastewater Treatment Plant off Gardere Lane	2942 Charlotte St.	Company pumped basin and threw hyperdermic needles onto City Parish landfill to be put in hooper and area covered with sand.
92-085	02/13/92	Name removed		20269 Highland Rd.	Shed full of unknown chemicals
92-098	03/23/92	Name removed		1986 Beaumont Dr.	Drums and a tank buried on property
92-133	04/20/92	Name removed		204 Terrace	Black and green oily substance on ground of empty warehouse. Someone has fallen because of this substance.
92-134	03/31/92	Name removed		1542 Bullrush	Abandoned barrels of oil
92-166	05/05/92	Name removed	Name removed	271 Van Buren	Unknown stored chemicals
92-175	05/08/92	Name removed		7909 Scenic Hwy	Neighbor's raw sewerage running onto her property.
92-199	05/20/92	Name removed		6415 Quinn Dr.	Abandoned barrel on property containing unknown substance
92-215	05/27/92	Name removed	Next Door	908 Napoleon	Dentist office pouring containers of liquid in ditch
92-254	06/15/92	Name removed		2244 Scenic Hwy	Bad odor from under her neighbor's house
92-263	06/18/92	Name removed		3046 Yorktown	Oil coming out of ground
92-291	06/09/92	Name removed		9135 Pocahontas	Neighbor's changing his oil and dumping it into her back yard
92-292	05/19/92	Name removed - Enf.		15880 Airline Hwy	Oil from La. Oil is coming under her house and killing her grass
92-303	07/02/92	Anonymous	AAA Cooper Transportation	Kiowa St.	Site may still have containers of waste - evidence of large spill
92-307	07/03/92	Name removed		1800 Cherokee	Trailer loaded with combustible materials- paints, enamels, thinners
92-326	07/08/92	Name removed	50' behind apartments	18609 Greenwell Springs	Silting between flammables
92-329	07/07/92	Name removed	Across street from		Bad odor next door
					Pit behind apartments with old gas tanks, tires, trash
					Trash (old furniture) on

TABLE 4 (CONTINUED)  
LDEQ EMERGENCY RESPONSE CITIZEN COMPLAINTS  
1988 - 1993

LOG #	DATE	REPORTED BY	VIOLATION LOCATION OR VIOLATOR	ADDRESS	COMPLAINT/VIOLATION
92-369	07/29/92	Name removed	218 France St.	662 Starring Lane	curb causing rummaging and break-ins Something oozing onto property from next door. Possible buried transformers and Haz Waste
92-374	07/10/92	Anonymous		15140 Florida Blvd.	Foul odor. Pouring oil on adjacent property to kill weeds.
92-383	08/04/92	Name removed		3223 King Bradford Dr.	55-Gal. Drum - Rusty substance on concrete slab and ground
92-390	08/07/92	Name removed	West Paine Lab	7979 GSRI Rd.	Improprieties conducting lab operations
92-394	08/11/92	Anonymous		12888 Fla. Blvd, #B	Storing Class 1 racing fuels three 55-gal. drums selling out of drum.
92-412	08/19/92	Anonymous	Off Stevendale Rd.	16710 Stephanie	Dumping oil over fence into servitude area
92-416	08/20/92	Name removed		325 Highland Park Dr.	5-Gal container used oil on side of road
† <sup>D12</sup> 92-420	08/21/92	Name removed		222 Gatebriar	Chemicals from Rollins getting on his house. Paint peeling.
92-434	08/28/92	Name removed		11466 St. Paul	Transformer oil draining
92-436	09/01/92	Name removed	Bayou Fountain at Highland Rd.		Strong raw sewerage smell, water is black.
92-438	09/02/92	Name removed		650 Staring	Drainage from dump going on 662 Staring's property
92-440	09/03/92	Anonymous	Spanish Town	1312 Glenmore	Using diesel to kill weeds
92-444	09/04/92	Anonymous	Automation Engineering	9941 Mammoth	Storing drums of acid that leak when it rains and washing acid into ground
92-446	09/04/92	GSU - Name removed		11464 Goodwood Blvd.	Owner of property refused to allow GSU to recover oil spill from Ballen transformer
92-466	09/15/92	Name removed	Texaco at Goodwood & Tara Blvd.		2 drums marked "Haz. Waste"
92-473	09/22/92	Name removed	Name removed	1801 Perkins	Rotten firewood and tanks attracts rats, roaches and snakes
92-487	09/28/92	Name removed	O'Neal and I-12		Bad odor in area
92-491	09/30/92	Anonymous	Welsh's Cleaners	4479 Perkins Rd.	Company is dumping perc down drainage lines
92-500	10/02/92	Name removed	White's Trucking	Hooper Rd.	Trucking Co. washing out trucks suspected Haz Waste contamination of property
92-529	10/15/92	Name removed	Rainbow Market, Corner Old Hammond & Ponderosa		Abandoned UST and sink hole
92-536	10/20/92	Name removed	Goodwood Homesite	223 Fernwood Dr.	NW corner of Airline Hwy & Fla. Blvd. Large pile of solid waste, going on 6 months - people adding to it
92-537	10/05/92	Name removed		12626 Old Jefferson Hwy.	Former tenant left drums of paint waste behind building at the time of eviction in

TABLE 4 (CONTINUED)  
LDEQ EMERGENCY RESPONSE CITIZEN COMPLAINTS  
1988 - 1993

LOG #	DATE	REPORTED BY	VIOLATION LOCATION OR VIOLATOR	ADDRESS	COMPLAINT/VIOLATION
92-539	10/20/92	Name removed	Ed's Live Catfish & Seafood, next door to 4718 Airline Hwy.		2/92. Haz Waste notified. Co. closed and left dumpster of fish innards horrible smell
92-541	10/22/92	Name removed		2355 Tecumseh St.	Co. disposes of contaminated clothing and wood pallets into SW dumpster washes out drums, bad drum Ditch needs "BOD" tests according to DHH
92-546	10/22/92	Name removed	Drainage Ditch	8680 Hooper Rd.	Co. selling 55-gal drums, concerned about washing out drums on ground
92-548	10/23/92	Anonymous		17717 Jefferson	Sulfuric acid is used to clean engine blocks and drains into storm drain
92-562	11/04/92	Name removed	Factory Motor Exchange	3482(?) Main St.	Insurance Auto Storage Pool Cars dripping oil, transmission fluid onto ground, nothing to collect fluids.
92-567	11/03/92	Anonymous		13555 Tiger Bend Rd.	Washing anti-freeze into street and all over ground. Barrels of radiator fluid and transformer oil and other with unknown materials. Several 55-gal oil dumped behind business
92-574	11/13/92	Name removed	Modern Muffler, Florida Blvd.		Co. washing out drums and dumping washwater onto the railroad tracks in front of property
92-590	11/06/92	Anonymous	Crestairste Subdivision, wooded lot end of Syble Dr.		Black smoke possibly burning tires
92-594	11/23/92	Anonymous		12329 Choctaw	Her lungs and head are filled with metals. Being will be neighbor.
92-601	11/12/92	Anonymous	Specialty Metals, Tecumseh Dr.		Dumping paint waste in dumpster.
92-606	12/02/92	Anonymous	Highlandia Dr. - Corner of Highland Rd & I-10		Co. dumping "Toxic Waste" onto ground
92-613	12/07/92	Name removed		5656 McClelland, Apt 10244	Wash water going into sewer
92-614	05/29/92	Anonymous	Gurney Rd.		Abandoned drum
92-620	09/15/92	Anonymous	Northside Motor Exchange	655 Scenic Hwy	Thick white liquid across both lanes, all over car
92-621	11/20/92	Anonymous	Dolese Concrete	Airline Hwy	Illegal storage of solvents
92-622	12/08/92	Name removed	Intersection of Wooddale & Lobdell Dr.		Complaint states that Gulf-Wandes is pouring spent acetone onto the ground, dumping recycled waste residue & MEK catalyst into dumpster.
92-628	12/16/92	Name removed	Wooddale Blvd.		Barrel with unknown contents in boatport of home they just moved into. Barrel
92-631	05/01/92	Anonymous	Cecil's Furniture	2111 Florida Blvd.	
92-641	10/05/92	Anonymous	Gulf-Wandes Corp.	8325 So. Choctaw	
93-015	01/11/93	Name removed	Wedgewood Subdivision	2115 Stonewood	

TABLE 4 (CONTINUED)  
LDEQ EMERGENCY RESPONSE CITIZEN COMPLAINTS  
1988 - 1993

LOG #	DATE	REPORTED BY	VIOLATION LOCATION OR-VIOLATOR	ADDRESS	COMPLAINT/VIOLATION
93-044	01/19/93	Name removed	Louisiana Oil Recycle Reuse	2200 Scenic Hwy.	is swelling. Strong odor associated with removal of chemicals or oil from storagetanks.
93-052	02/15/93	Anonymous	Wal-Mart, Cortana Place		Improper dumping into dumpsters.
93-056	02/17/93	Anonymous	Blue Ribbon Store on Evangeline		Store has an incinerator where they dump trash.
93-058	02/18/93	Anonymous	Ferrara Fire Fighting Equipment	9911 Mammoth Dr.	Employees getting sick from some type hazardous material.
92-616	12/07/92	Name removed	Buster Supermarket	11558 Plank Rd.	Abandoned drum behind store
92-106	03/30/92	Anonymous		17428 Ashton Ave.	10-15 55-gallon containers paint waste and old tires abandoned at this property in backyard.

Five LDEQ Citizen Complaint logs were identified for further investigation, due to the possibility of affecting a project area. A brief explanation of these complaints follow.

Twenty-two citizen complaints were identified to possibly be affecting one of the two proposed disposal areas, the Parish landfill or Mississippi River borrow pits near Gardere Lane.

†<sup>16</sup> Citizen Complaint Log 91-167, Chevron Station (Essen Lane). A citizen complaint was logged for the Chevron Service Station located at Essen Lane and One Calais Avenue, alleging that gasoline was leaching out of the ground and into the stormwater drainage system. A note in the file indicated that this complaint was referred to Underground Storage Tanks. A review of the UST files does show a "Essen Express" located at 7931 One Calais Avenue, no detrimental information on these USTs were found in the UST files.

†<sup>20</sup> Citizen Complaint Log numbers 89-006, 89-067, and 91-455, Daniell Battery (11150 South Choctaw). The first two citizen complaints are related as the second refers to the first for its description of the violation or complaint. Daniell Battery is located at South Choctaw and Sherwood Forest. The complaint is that this company is discharging lead on the ground, a quote from the log file is as follows: "Discharging lead on ground. Taking showers and letting water drain into sewer." It is noted that the first two logs were referred to Enforcement Section. No file was found on log number 91-455 about Daniell Battery. The only information available is that the complainant stated that lead poisoning was his concern.



†<sup>5</sup> Citizen Complaint Log 92-195, Ballard Motorworks (7000 block Airline Hwy). Ballard Motorworks is located on Airline Hwy near Sam's Wholesale (7685 Airline Hwy). When inspected by LDEQ personnel, sixty-four 55 gallon drums were observed on the side of the building. In the area around the drums, the concrete was oil stained. There was also oil stains under cars in the parking lot in front of the building, as well as on vegetation surrounding the area. Oil stains were extending off of the property along the sidewalk and grassy area between the sidewalk and the street. The owner was told that the drums would have to be removed and the concrete and surrounding soil would need to be excavated and disposed of properly. He was also informed that he needed to determine if the used oil and contaminated soil was a hazardous waste. A related investigation of the site is also ongoing in the Water Quality Division of LDEQ. No information as to the outcome of the cleanup and testing was included.

Office of Solid and Hazardous Waste, Hazardous Waste Division, ARIM Section Technical Services. This office has access to the RCRIS database developed by EPA. It maintains records for all required RCRA notifiers in the State of Louisiana. These files contain information on the Standard Industrial Code of the operation, waste codes generated, transported or disposed of as well as any Notices of Violations, reports, or legal action taken. In general, only RCRA notifiers within an approximate 1 mile distance to a stream location were reviewed.

Over 1000 RCRIS reporters appeared on the listing for East Baton Rouge Parish. Sites which were in close proximity to the project were reviewed in detail. Table 5 shows the characteristic hazardous wastes required for notification to LDEQ. The description of hazardous waste is characterized according to 40 CFR 261.20-24 and 40 CFR 261.30-35. Table 6 shows the SICs found in the files. SICs are used to indicate the type of activity which occurs at a place of business. Table 7 shows the site name, location, type of hazardous waste handled, as well as if the site is a generator, storer, or transporter of hazardous waste. The generator sites listed are designated as follows: Level 1 generator is a site which produces more than 1000 kg/month, a Level 2 generator generates 100 to 1000 kg/month, and a Level 3 generator generates less than 100 kg/month of hazardous waste. "Yes" under the generator heading means that the file does not specify how much waste the notifier generates each month. Most files on the following sites contained no Notices of Violations or complaints. If more information is available in the file regarding NOV's, complaint records, spills etc., the details will be noted following the table.

TABLE 5  
40 CFR 261 HAZARDOUS WASTE CODES

CODE	DESCRIPTION
D001	A solid waste which exhibits the characteristic of ignitability
D002	A solid waste which exhibits the characteristic of corrosivity
D003	A solid waste which exhibits the characteristic of reactivity

TABLE 5 (CONTINUED)  
40 CFR 261 HAZARDOUS WASTE CODES

CODE	DESCRIPTION
D004-D043	A solid waste which exhibits the characteristic of toxicity, specifically described below.
D004	Arsenic
D005	Barium
D018	Benzene
D006	Cadmium
D019	Carbon Tetrachloride
D020	Chlordane
D021	Chlorobenzene
D022	Chloroform
D007	Chromium
D023	o-Cresol
D024	m-Cresol
D025	p-Cresol
D026	Cresol
D016	2,4-D
D027	1,4-Dichlorobenzene
D028	1,2-Dichloroethane
D029	1,1-Dichloroethylene
D030	2,4-Dinitrotoluene
D012	Endrin
D031	Heptachlor (and its epoxide)
D032	Hexachlorobenzene
D033	Hexachlorobutadiene
D034	Hexachloroethane
D006	Lead
D013	Lindane
D009	Mercury
D014	Methoxychlor
D035	Methyl ethyl ketone
D036	Nitrobenzene
D037	Pentachlorophenol
D038	Pyridine
D010	Selenium
D011	Silver
D039	Tetrachloroethylene
D015	Toxaphene
D040	Trichloroethylene
D041	2,4,5-Trichlorophenol
D042	2,4,6-Trichlorophenol
D017	2,4,5-TP (Silvex)
D043	Vinyl Chloride

TABLE 5 (CONTINUED)  
40 CFR 261 HAZARDOUS WASTE CODES

CODE	DESCRIPTION
F001	The following spent halogenated solvents used in degreasing: Tetrachloroethylene, trichloroethylene, methylene chloride, 1,1,1-trichloroethane, carbon tetrachloride, and chlorinated fluorocarbons; all spent solvent mixtures/blends used in degreasing containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those solvents listed in F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.
F002	The following spent halogenated solvents: Tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, trichlorofluoromethane, and 1,1,2-trichloroethane; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those listed in F001, F004, or F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.
F003	The following spent non-halogenated solvents: Xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone, and methanol; all spent solvent mixtures/blends containing, before use, only the above spent non-halogenated solvents; and all spent solvent mixtures/blends containing, before use, one or more of the above non-halogenated solvents, and, a total of ten percent or more (by volume) of one or more of those solvents listed in F001, F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.
F004	The following spent non-halogenated solvents: Cresols and cresylic acid, and nitrobenzene; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above non-halogenated solvents or those solvents listed in F001, F002, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.
F005	The following spent non-halogenated solvents: Toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, benzene, 2-ethoxyethanol, and 2-nitropropane; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above non-halogenated solvents or those solvents listed in F001, F002, or F004; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.
F006	Wastewater treatment sludges from electroplating operations except from the following processes: (1) Sulfuric acid anodizing of aluminum; (2) tin plating on carbon steel; (3) zinc plating (segregated basis) on carbon steel; (4) aluminum or zinc-aluminum plating on carbon steel; (5) cleaning/stripping associated with tin, zinc and aluminum plating on carbon steel; and (6) chemical etching and milling of aluminum.
F007	Spent cyanide plating bath solutions from electroplating operations
F010	Quenching bath residues from oil baths from metal heat treating operations where cyanides are used in the process.

TABLE 5 (CONTINUED)  
40 CFR 261 HAZARDOUS WASTE CODES

CODE	DESCRIPTION
F012	Quenching waste water treatment sludges from metal heat treating operations where cyanides are used in the process.
K001	Wood preservative; Bottom sediment sludge from the treatment of wastewaters from wood preserving processes that use creosote and/or pentachlorophenol.
K009	Distillation bottoms from the production of acetaldehyde from ethylene
K010	Distillation side cuts from the production of acetaldehyde from ethylene
K011	Bottom stream from the wastewater stripper in the production of acrylonitrile
K013	Bottom stream from the acetonitrile column in the production of acrylonitrile
K014	Bottoms from the acetonitrile purification column in the production of acrylonitrile
K015	Still bottoms from the distillation of benzyl chloride
K016	Heavy ends or distillation residues from the production of carbon tetrachloride
K018	Heavy ends from the fractionation column in ethyl chloride production
K019	Heavy ends from the distillation of ethylene dichloride in ethylene dichloride production
K020	Heavy ends from the distillation of vinyl chloride in vinyl chloride monomer production
K021	Aqueous spent antimony catalyst waste from fluoromethanes production
K022	Distillation bottom tars from the production of phenol/acetone from cumene
K023	Distillation light ends from the production of phthalic anhydride from naphthalene
K024	Distillation bottoms from the production of phthalic anhydride from naphthalene
K025	Distillation bottoms from the production of nitrobenzene by the nitration of benzene
K027	Centrifuge and distillation residues from toluene diisocyanate production
K028	Spent catalyst from the hydrochlorinator reactor in the production of 1,1,1-trichloroethane
K030	Column bottoms or heavy ends from the combined production of trichloroethylene and perchloroethylene
K048	Dissolved air flotation (DAF) float from the petroleum refining industry
K049	Slop oil emulsion solids from the petroleum refining industry
K050	Heat exchanger bundle cleaning sludge from the petroleum refining industry
K051	API separator sludge from the petroleum refining industry
K052	Tank bottoms (lead) from the petroleum refining industry
K061	Emission control dust/sludge from the primary production of steel in electric furnaces
K062	Spent pickle generated by steel finishing operations of facilities within the iron and steel industry (SICs 331 and 332)
K083	Distillation bottoms from aniline production

TABLE 5 (CONTINUED)  
40 CFR 261 HAZARDOUS WASTE CODES

CODE	DESCRIPTION
P012	Arsenic oxide $As_2O_3$
P030	Cyanides (soluble cyanide salts), not otherwise specified
P087	Osmium oxide $OsO_4$ (T-4)-
P087	Osmium tetroxide
P098	Potassium cyanide
P098	Potassium cyanide K(CN)
U002	2-Propanone (I)
U002	Acetone (I)
U012	Aniline (I,T)
U012	Benzenamine (I,T)
U019	Benzene (I,T)
U044	Chloroform
U044	Methane, trichloro-
U055	Benzene, (1-methylethyl)- (I)
U055	Cumene (I)
U056	Benzene, hexahydro- (I)
U056	Cyclohexane (I)
U080	Methane, dichloro-
U080	Methylene chloride
U108	1,4-Diethyleneoxide
U108	1,4-Dioxane
U117	Ethane, 1,1'-oxybis-(I)
U117	Ethyl ether (I)
U122	Formaldehyde
U134	Hydrofluoric acid (C,T)
U134	Hydrogen fluoride (C,T)
U140	1-Propanol, 2-methyl- (I,T)
U140	Isobutyl alcohol (I,T)
U144	Acetic acid, lead(2+) salt
U144	Lead acetate
U151	Mercury
U154	Methanol (I)
U154	Methyl alcohol (I)
U159	2-Butanone (I,T)
U159	Methyl ethyl ketone (MEK) (I,T)
U161	4-Methyl-2-pentanone (I)
U161	Methyl isobutyl ketone (I)
U161	Pentanol, 4-methyl-
U188	Phenol
U190	1,3-Isobenzofurandione
U190	Phthalic anhydride
U196	Pyridine
U197	2,5-Cyclohexadiene-1,4-dione



TABLE 5 (CONTINUED)  
40 CFR 261 HAZARDOUS WASTE CODES

CODE	DESCRIPTION
U197	p-Benzoquinone
U210	Ethene, tetrachloro-
U210	Tetrachloroethylene
U211	Carbon tetrachloride
U211	Methane, tetrachloro-
U220	Benzene, methyl-
U220	Toluene
U226	Ethane, 1,1,1-trichloro-
U226	Methyl chloroform
U228	Ethene, trichloro-
U228	Trichloroethylene
U238	Carbamic acid, ethyl ester
U238	Ethyl carbamate (urethane)
U239	Benzene, dimethyl- (I,T)
U239	Xylene (I)

TABLE 6  
STANDARD INDUSTRIAL CODES

CODES	ACTIVITY
0742	Veterinary Services for Animal Specialties
1611	Highway and Street Construction, except Elevated Highways
1629	Heavy Construction, Not Elsewhere Classified
1799	Special Trade Contractors, Not Elsewhere Classified
2089	Beverages
2711	Newspapers: Publishing, or Publishing and Printing
2752	Commercial Printing, Lithographic
2759	Commercial Printing, Not Elsewhere Classified
3011	Tires and Inner Tubes
3089	Plastics Products, Not Elsewhere Classified
3499	Fabricated Metal Products, Not Elsewhere Classified
3531	Construction Machinery and Equipment
3544	Special Dies and Tools, Die Sets, Jigs and Fixtures, and Industrial Molds
3561	Pumps and Pumping Equipment
3567	Industrial Process Furnaces and Ovens
3579	Office Machines, Not Elsewhere Classified
3583	Refrigeration and Service Industry Machinery

TABLE 6 (CONTINUED)  
STANDARD INDUSTRIAL CODES

CODES	ACTIVITY
3585	Air Conditioning and Warm Air Heating Equipment and Commercial and Industrial Refrigeration Equipment
3589	Service Industry Machinery, Not Elsewhere Classified
3599	Industrial and Commercial Machinery and Equipment, Not Elsewhere Classified
3691	Storage Batteries
3694	Electrical Equipment for Internal Combustion Engines
3699	Electrical Machinery, Equipment and Supplies, Not Elsewhere Classified
3751	Motorcycles, Bicycles, and Parts
3823	Industrial Instruments for Measurement, Display and Control of Process Variables; and Related Products
3844	X-Ray apparatus and Tubes and Related Irradiation Apparatus
3999	Manufacturing Industries, Not Elsewhere Classified
4231	Terminal and Joint Terminal Maintenance Facilities for Motor Freight Transportation
4785	Fixed Facilities and Inspection and Weighing Services for Motor Vehicle Transportation
4789	Transportation Services, Not Elsewhere Classified
4953	Refuse Systems
5012	Automobiles and Other Motor Vehicles
5013	Motor Vehicle Supplies and New Parts
5043	Photographic Equipment and Supplies
5047	Medical, Dental and Hospital Equipment and Supplies
5084	Industrial Machinery and Equipment
5085	Industrial Supplies
5149	Groceries and Related Products, Not Elsewhere Classified
5198	Paints, Varnishes, and Supplies
5199	Nondurable Goods, Not Elsewhere Classified
5399	Miscellaneous General Merchandise Stores
5511	Motor Vehicle Dealers (New and Used)
5531	Auto and Home Supply Stores
5541	Gasoline Service Stations
5561	Recreational Vehicle Dealers
5947	Gift, Novelty and Souvenir Shops
7138	No listed
7212	Garment Pressing, and Agents for Laundries and Drycleaners
7216	Drycleaning Plants, Except Rug Cleaning
7219	Laundry and Garment Services, Not Elsewhere Listed
7334	Photocopying and Duplicating Services
7384	Photofinishing Laboratories
7513	Truck Rental and Leasing, without Drivers
7527	Automobile Parking
7528	Not listed
7532	Top, Body, and Upholstery Repair Shops and Paint Shops

TABLE 6 (CONTINUED)  
STANDARD INDUSTRIAL CODES

CODES	ACTIVITY
7533	Automotive Exhaust System Repair Shops
7537	Automotive Transmission Repair Shops
7538	General Automotive Repair Shops
7539	Automotive Repair Shops, Not Elsewhere Listed
7549	Automotive Services, Except Repair and Carwashes
7629	Electrical and Electronic Repair Shops, Not Elsewhere Listed
7699	Repair Shops and Related Services, Not Elsewhere Listed
7996	Amusement Parks
8011	Offices and Clinics of Doctors of Medicine
8021	Offices and Clinics of Dentists
8031	Offices and Clinics of Doctors of Osteopathy
8041	Offices and Clinics of Chiropractors
8062	General Medical and Surgical Hospitals
8063	Psychiatric Hospitals
8069	Specialty Hospitals, Except Psychiatric
8093	Specialty Outpatient Facilities, Not Elsewhere Listed
8661	Religious Organizations
8734	Testing Laboratories
9229	Public Order and Safety, Not Elsewhere Listed
9511	Air and Water Resource and Solid Waste Management
9621	Regulation and Administration of Transportation
9999	Nonclassifiable Establishments Programs

TABLE 7  
RCRA NOTIFIERS

LAD #	NAME	ADDRESS	SIC	Gen <sup>1</sup>	Trans <sup>2</sup>	Type <sup>3</sup>	NOTES <sup>4</sup> (Y/N)
LAD985190503	CMC Auto Body & Pai	10601 Cherry Hill Ave		3			NO FILE
LAD981608599	The Equipment House	13316 S Choctaw Dr		Yes			NO FILE
LAD981906340	Consolidated Retail	8652 S Choctaw Dr		Yes			NO FILE
LAD980583710	PPG/Ashland Chemica	11109 S Choctaw Drive		Yes			NO FILE
LAD985175736	LA Bulk Carriers In	20269 Highland Rd		3			NO FILE
LAD075060608	Deca Systems	11411 Darryl Dr Bldg B		Yes			NO FILE
LAD114280803	Automotive Imports	13869 Florida Blvd		3			NO FILE
LAD981589617	Greenoaks Tire & Ca	13185 Florida Blvd		Yes			NO FILE
LAD034169334	Belisle Cleaners	9728 Florida Blvd		3			NO FILE
LAD075047456	Capital Printing &	12347 Florida Blvd		Yes			NO FILE
LAD981610264	Keiths Import Auto	8618 Florida Blvd		3			NO FILE
LAD980698823	Shell Service Stati	9828 Airline Hwy		Yes			NO FILE
LAD118971886	Timmons Internation	8008 Airline Hwy		3			NO FILE
LAD982305716	The Home Depot #355	9618 Airline Hwy		Yes			NO FILE

TABLE 7 (CONTINUED)  
RCRA NOTIFIERS

LAD #	NAME	ADDRESS	SIC	Gen <sup>1</sup>	Trans <sup>2</sup>	Type <sup>3</sup>	NOTES <sup>4</sup> (Y/N)
LAD008187882	T J M Corporation T	7850 Anselmo Lane		Yes			NO FILE
LAD985223825	Fox Photo	9401 Cortanna Way Cotann		2			NO FILE
LAD982289100	Insurance Wrecking	8125 Airline Hwy		Yes			NO FILE
LAD980867899	LA DOTD	7686 Tom Dr		3			NO FILE
LAD981612518	Dan Babin Tire & Ca	11868 Jefferson Hwy		1			NO FILE
LAD981046949	Southern Environmen	8922 Jefferson Hwy		CONFIDENTIAL FILE		Y	
LAD982285363	Laser Copi	9342 Lindale Ave		1			NO FILE
LAD057485252	American Exterminat	650 Fulwar Skipwith		Yes			NO FILE
LAD985197243	Salary Station	2959 College Dr		2			NO FILE
LAT230013450	American Catalyst S	4884 Constitution Suite 2	No	Yes			NO FILE
LAD982549511	The V Shop	10120 Daradele		3			NO FILE
LAD981522451	Baton Rouge Silk Sc	2075 Airway Dr		2			NO FILE
LAD985223676	Reliance Valve & Ma	2579 B Monterrey Dr		3			NO FILE
LAD982289332	Fastner & Tool Co	10037 Barringer Foreman Rd		Yes			NO FILE
LAD985185255	Coastal Corrosion	11386 S Choctaw		3			NO FILE
LAD985202035	Johnny V Jenkins MD	7414 Picardy Ave Ste A		3			NO FILE
LAD000719450	Baton Rouge Par Dep	4171 Perkins Rd		Yes			NO FILE
LAD985209220	Premier Clnrs	4207 Perkins Rd		3			NO FILE
LAD985202233	Lamar Advertising	16560 Old Perkins Rd	5199	3		D001	N
LAD072609274	Gulf Intercoastal M	8116 One Calais Suite 1C		Yes			NO FILE
LAD981607534	Capitol City Glass	4201 Perkins Rd.		3		D001	N
LAD982758880	Allwaste Svcs Of BR	8670 Pecue Lane	4231	No	Yes		Y
LAD981913171	Orthopaedic & Sport Injury	1759 Physicians Park Dr S		3		D002	N
						D011	
LAD982294779	The Breast Clinic	1770 Physicians Pk Dr	3844	3		D011	N
LAD985187913	Digital Diagnostic	7703 Picardy Ave		3			NO FILE
LAD109827931	Orthopaedic & Sports Medicin	7443 Picardy Ave	8011	1		D011	N
LAD985198084	Dr Kathy M Woody	7612 Picardy Ave Ste M	8021	3		D011	N
LAD985196765	Performance Contractors Inc	9864 Picon	1629	3		D011	N
LAD981904345	Drs Braud & Breaux	2223 QuailRun Building G		Yes		D011	N
						D002	
LAD982294860	Fame Automotive	4133 Rhoda Dr	7538	3 *		D011	N
						F001R	
LAD060836764	BES Inc	4421 Rhoda Dr		Yes			NO FILE
LAD981513401	Ingersoll Rand Rpr	4152 Rhoda Dr	3561	1 *		D001R	N
						D002	
						D005	
						D006	
						D007	
						D008	
						D039R	
LAD093537488	Hobart Corp	4324 Rhoda Dr		1		D001	N
						D008	
LAD981593783	Rollins Chempak Inc	4332 Rhoda Dr		No	Yes		Y
LAD980866040	Rodgers Marine Towing Servic	4416 Rhoda Drive		No	Yes		Y
LAD982294852	Neuromedical Ctr	2237 S Acadian #400		3		D011	N
LAD981149446	Mac's Lake Sherw 1 hr Martin	4592 S Sherwood Forest Bl		1		F002	N

TABLE 7 (CONTINUED)  
RCRA NOTIFIERS

LAD #	NAME	ADDRESS	SIC	Gen <sup>1</sup>	Trans <sup>2</sup>	Type <sup>3</sup>	NOTES <sup>4</sup> (Y/N)
LAD985192392	Johnston-Stovall Partnership	642 Shadows Ln	8021	3		D002 D011	N
† <sup>D45</sup> LAD985196724	Star Enterprise	2205 Sherwood Forest		2			NO FILE
LAD125703827	Welshs Cleaners	120 Staring Lane	7216	2		F002	N
LAD980629281	South Central Bell	208 Staring Lane		Yes			NO FILE
LAD985198837	Essen Car Care	1811 Staring Ln	7538	3 *		D001	N
LAD985196948	HI-LO Auto Supply	1733 Staring Ln	5013	3		D001 F002	N
LAD982293193	Health Care Group	1801 Staring Ln		1		D011	N
† <sup>33</sup> LAD981058522	Keans Cleaners	218 Staring Ln	7216	2		F002	Y
LAD021018585	Staring Plaza Animal	162 Staring Ln	0742	3		D011	N
LAD985204452	NU Frontier Clnrs	11535 Sullivan Rd	7212	3		D001 D039	N
LAD985207687	Daryls Automotive	7424 Town S Ave	7538	3		D001R	N
LAD057837783	Tiger Print Inc	7414 Town South Ave		1		D011	N
LAD985223429	Speedee Oil Change	4141 Jones Creek Rd	7538	3		D001R	N
LAD985198084	Dr Kathy M Woody	7612 Picardy Ave Ste M	8021	3		D011	N
LAD985197334	Salary Station	3375 Perkins Rd		2		D018	N
LAD982289357	Jiffy Lube	4815 Perkins Rd		1		D001	N
LAD009781287	Meriwethers S Down Amoco	4485 Perkins Rd		Yes		F002 F004 D006 D008 D001 D011	N
LAD982758658	Rehabilitation Hosp	8595 United Plaza Blvd	8069	3		D011	N
LAD981900806	Chiropractic Svc &	9627 W Tams		No	Yes		Y
LAD985197656	Novachem Inc	7924 Wrenwood Blvd Suite		No	No		Y
LAD102449089	La Environmental Sales	10265 Janice St		No	Yes	D008 K051	Y
LAT230012445	Peabody Myers VIP S	4230 Jeffrey		Yes			NO FILE
LAD094908597	Kinchen Enterprises	4412 Jeffrey Dr		Yes			NO FILE
LAD981608771	Wedge Kyes Import Specialties	4301 Jeffrey Dr.		Yes		D001R F001	N
LAD985223429	Speedee Oil Change	4141 Jones Creek Rd	7538	3		D001R	N
LAD985205376	Brouillette Lift Svc	8759 Kiowa Ave	3531	3		D001	N
LAD981058621	Rollins Environmental Science	12010 Lakeland Park Blvd		No	Yes		Y
LAD985222629	Plain Jane	469 Live Oak Blvd	5947	3		D001	N
LAD985221001	Mid City Auto	420 Lofaso	7538	3		D001	N
LAD082485848	Fauls Foreign Autom	810 Madeline Ct		1		D001	N
LAD981584873	Fauls Automotive	822 Madeline Ct		1		D001	N
LAD982553398	Auto Motion	1125 Marque Ann Dr		2			NO FILE
LAD130278955	Feline Medical Clinic	3415 N Amiss	8069	3		D011	N
LAD985221704	HJ Lemoine	10641 N Duel	7538	3		D001	N
LAD985189703	Iras Golf Cart Sales	2060 N Harco	5561	3		D001	N
LAD985186790	Shell Svc Station	1649 O'Neal Ln.		3		D008 D018	N
LAD985197375	Salary Station	2060 O'Neal Ln		2		D018	N
LAD982283202	Richs Guns	8434 Florida Blvd		1		D001R	N
LAD981511462	J Matthews Corp DBA SPI	1531 Greenoak Dr		3		D001	N



TABLE 7 (CONTINUED)  
RCRA NOTIFIERS

LAD #	NAME	ADDRESS	SIC	Gen <sup>1</sup>	Trans <sup>2</sup>	Type <sup>3</sup>	NOTES <sup>4</sup> (Y/N)
LAD040773129	Our Lady of the Lake Regional Medical Center	5000 Hennessey Blvd.	8062	1		D008 D001 D003 D011 D087 U122 P087	Y
LAD982559320	Pulmonary Disease Clinic	7777 Hennessy #701	8011	3		D011R	N
LAD981058548	Keans Cleaners	15959 Hewwood Ave Ste H	7216	3		F002	N
LAD010399210	Family Clinic	7386 Highland Rd		3		D011	N
LAD985196534	K Wendt	5377 Highland Rd		2		D018	N
LAD020872446	Highland Rd Animal Hospital	7280 Highland Rd	0742	3		D002 D011	N
LAD982294753	Gavin Chiropractic Clinic	7285 Highland Rd #C		3		D011R	N
LAD981589708	H&S Valve Service	10543 Cherry Hill		3		D011	N
LAD125624742	Midas Muffler	2358 College	7533	3		D001R	N
LAD981908064	Outpatient Diagnostic Center	8416 Cumberland Place		1		D011R	N
LAD985184704	Rapid Lube & Tune-U	5615 Essen Lane		3			NO FILE
LAD981913148	Med Aid Walk In Medical Ctr	5475 Essen Lane	8011	3		D011	N
LAD062649249	Mary Bird Perkins Cancer Ctr	4950 Essen Ln	8093	2		D011	N
LAD008783656	Dixie Electric Memb	16262 Wax Road		Yes			
LAD985198126	Fitzgeralds Automoti	1815 Wooddale Ct	7538	3		D001	N
LAD985224203	S&W Services Inc	8686R Anselmo Ln	4231	3		D001	N
† <sup>27</sup> LAD985206309	Chevron USA Inc #109045	7808 Bluebonnet	5541	2		D001 D018	N
LAD985195700	Freechoice Photo Service	7762 Bluebonnet Blvd	7384	3		D011	N
LAD981050891	One Hour Martinizing	7516 Bluebonnet Blvd.		3		F002	N
LAD981596331	Capital City Press	6700 Bluebonnet Rd	2711	2		D001 D002	Y
LAD985187855	Welshs Clnrs	5454 Bluebonnet Ste S	7216	3		F002	N
LAD985172907	Hansbrough Peters AMA	5344 Brittany Dr	8011	3		D011	N
LAD139235485	Surgi-Center Of Baton Roug	5222 Brittany Dr.	8093	3		D011 D004	N
LAD985208909	Devoe Coatings Co	13531 S Choctaw	5198	3		F001	N
LAD985173541	Choctaw Marine Service	10276 S Choctaw		2		D001	N
LAD082005703	Car Master Inc	10614 S Choctaw	7527	2		D001R	N
LAD982306748	Dresser Pump Repair Div	13327 S Choctaw	7699	2		D001 F001 F003	N
LAD079457941	East Baton Rouge School Brd	1050 S Foster Dr					See Notes
LAD125425421	Harley Davidson of BR	12455 S Harrell Ferry Rd	3751	3		D001	N
LAD051031839	Keans the Clnr	140 Sharp Rd					NO FILE
LAD985193374	Clean & Bright Wash	2346 Sherwood Forest	7212	3		F002	N
LAD985186774	Shell Svc Station	2607 Sherwood Forest Blvd		3		D008 D018	N
LAD981591530	Nicostia Fleet	7038 South Choctaw Dr		1		D001	N
† <sup>12</sup> LAD981607583	Central Exxon Svc C	11575 Sullivan	5541	3		D001 D018	N

TABLE 7 (CONTINUED)  
RCRA NOTIFIERS

LAD #	NAME	ADDRESS	SIC	Gen <sup>1</sup>	Trans <sup>2</sup>	Type <sup>3</sup>	NOTES <sup>4</sup> (Y/N)
LAD138025028	Central Service Cen	8645 Sullivan Rd		3			NO FILE
LAD985190479	The Pediatric Clini	888 Tara Blvd Ste F	8011	3		D011	N
LAD034179218	General Auto Parts	8444 Tom Dr		2		F002	N
						F004	
						D001	
						D002	
						D008	
LAD982550436	Jiffy Lube	14522 Old Hammond Hwy		1		D001	N
LAD980864813	VIP (Vacuum Industrial Pollution) International	6638 Pecue Ln		No	Yes		See Notes
LAD982283186	Mobile Air Co	6629 Pecue Ln		1		F002	N
LAD981605082	Scott E Woodley	644 Riveroaks Place		Yes			NO FILE
LAD072624083	Suttons Dry Cleaners	3724 Government St	7216	3		F002	Y
LAD982548133	MD Help	11452 Harrells Ferry Rd		3		D011	N
† <sup>31</sup> LAD981146624	Hydro-Kem Services Inc	18818 Highland Rd		No	Yes		Y
LAD981592272	Jim Best Construction	Hwy 37 1/4 mile w of La Hwy 64		Yes		D001	N
LAD985197706	TTG Inc	7901 Independence Blvd	3567	3		D001	N
LAD985199520	Dr WD Woodward	8543 Independence Blvd	8021	3		D002	N
						D011	
LAD981157647	Wolf Cleaners	150 McGehee		3		F002	N
LAD985195270	Hill Medical Association	170 McGehee Dr	8011				N
LAD981907389	Medical Center of Baton Rou	17000 Medical Cntr Dr		3		D011	Y
LAD982293458	Ochsner Clinic of Baton Rouge	16777 Medical Crt Dr	8011	1		D011	N
LAD981905912	Ochsner Clinic of Baton Rouge	17050 Medical Ctr Dr		Yes			NO FILE
LAD981607559	Keans The Clnr	1039 Millerville Rd	7216	3		F002	Y
LAD985186071	Thermo King	2579 Monterey	3585	3		D001	N
LAD985186923	Good Shents Unlimtedi	4173 N Flannery	3999	3		D001	N
LAD982551129	Drivers License Photo	7701 O Hara Ct Ste B	5043	2 *		D011R	N
LAD981901176	O'Neal Plaza One Hou	2138 O'Neal Ln	7216	3		F002	Y
LAD985192483	Louis J Morales DDS	8343 OHara Ct	8021	3		D011	N
† <sup>15</sup> LAD985206036	Chevron USA Inc #160242	1155 Flannery	5541	2		D001	N
						D018	
LAD982548158	Meineke Mufflers	13399 Florida Blvd	7533	3		D001	N
LAD981511553	Gerry Lane Buick	4917 Florida Blvd	5511	2 *		D001R	N
						F003	
						F005	
						F001	
						D002	
LAD981913387	Keiths Import	8618 Florida Blvd	7538	3		F001	N
						D001	
LAD981904907	University Ford	7787 Florida Blvd		2 *		D001	Y
LAD148276991	Speedee Oil Change	10330 Florida Blvd	7549	3		D001R	N
						D018	
						D006	
						D021	
						D040	
						D039	

TABLE 7 (CONTINUED)  
RCRA NOTIFIERS

LAD #	NAME	ADDRESS	SIC	Gen <sup>1</sup>	Trans <sup>2</sup>	Type <sup>3</sup>	NOTES <sup>4</sup> (Y/N)
LAD985189752	John W Munson DDS	760 Colonial Dr		3		F002 D001	N
LAD985185537	The Orthopedic Clinic	720 Connells Park Ln	8031	3		D011R	N
LAD981585854	Wal-Mart Inc	8539 Cortana Mall	7539	3		D001	N
LAD982285181	Maison Blanche Car Care	9701 Cortana Pl		3		F002	Y
LAD077917243	Sears Roebuck & Co	9001 Cortana Place		1		D001	N
LAD059133322	S&S Auto Electric Service	1905 Dallas Dr		2		F002 F004 D001 D002 D008	N
LAD982549529	Future Techs Automotive	14127 Greenwell Springs	7538	3		F001 D001	N
LAD003851441	Associated Grocers	8686 Anselmo Ln.	5149	3	Yes	K086 D001 F002 F004 D008	Y
LAD985200922	Aluminum Cylinder H	1681 Beaumont Dr		3			NO FILE
LAD023703721	Caleb Brett USA Inc	1833 Beaumont Dr	4785	2			See Notes
LAD062632658	Kenberry Press Inc	2177 Beaumont Dr		3		D011 D011R	N
LAD985197474	Baton Rouge Wholesale Beverage Co	1848 Beaumont Dr	4231	3		D001	N
LAD985199744	Exxon Co USA #51305	6060 Bluebonnet & I-10	5541	3		D018	N
LAD981599939	A1 Tire & Fleet Svc	1921 Dallas		1			NO FILE
LAD098589583	Environmed Lab Inc	1874 Dallas Dr		3 *		F001 F002 F003 F005 D001	Y
LAD985204080	Trophy House Screen Printing	1815 Dallas Dr	9999	3		D001	N
LAD981156987	Technolo Consulting (FS) Inc	1743 Dallas Dr		No	Yes		Y
LAD065487647	Redd Pest Control	2195 Dallas Dr			Yes		NO FILE
LAD985208677	Louisiana Micrfilm Inc	1956 Dallas Dr Ste 1	7334	3		D011	N
LAD982283111	Jiffy Lube	3311 Drusilla		1		F002	N
LAD985197250	Salary Station	3536 Drusilla Lane		2		D018	N
† <sup>21</sup> LAD981149776	Drusilla One Hour Martinizing	3406 Drusilla Lane	7216	3		F002	Y
LAD981058571	Keans the Cleaners	3540 Drusilla Lane	7216	3		F002	N
† <sup>23</sup> LAD985194380	Exxon Co USA #50608	4555 Essen Lane		3		D018	N
LAD985202563	Medical Cntr Exxon	5857 Essen Ln		3		D001R	N
LAD981058647	Pressing Matters	10051 Fla Blvd		1		U228	Y
† <sup>28</sup> LAD985206028	Chevron USA Inc #109050	10097 Florida	5541	2		D018 D001	N
LAD985209667	Star Enterprise	10020 Florida & Sharp	5541	2		D018	N
LAD982549495	Mark Leonard Mktng	10100 Florida Blvd		3		D011	N
LAD061239141	Hollingsworth Mazda	11650 Florida Blvd		3			NO FILE
LAD981596109	Acura of Baton Rouge	12672 Florida Blvd		1		D001 D008	N
LAD175629534	LA Med Walk in Med Clinic	8133 Florida Blvd		3		D011	N

TABLE 7 (CONTINUED)  
RCRA NOTIFIERS

LAD #	NAME	ADDRESS	SIC	Gen <sup>1</sup>	Trans <sup>2</sup>	Type <sup>3</sup>	NOTES <sup>4</sup> (Y/N)
LAD020875274	Midas Muffler	10111 Florida Blvd		3		D001 D001R	N
LAD075078675	Sherwin Williams Co	11939 Florida Blvd		Yes			NO FILE
LAD982293631	Capital Printing	11745 Florida Blvd		3		D011	N
† <sup>8</sup> LAD093537686	Broadmoor Exxon	9988 Florida Blvd	5541	3		D018 D001	N
LAD985214550	VWs Japanese Auto Svc Inc	11870 Florida Blvd	7538	3		D001 D001R	N
LAD985204940	Auto Tech	11853 Florida Blvd	7538	3		D001R	N
LAD982292898	Copy Rite Printing	11839 Florida Blvd		3		D001	N
LAD985194117	Roy's Auto Rpr	11809 Florida Blvd	7538	3		D001 F001	N
LAD985198696	Community Network, Inc	12009 Florida Blvd		3		D001R	N
LAD137673000	Black & Decker	11859 Florida Blvd	7699	3		D001 D018 D039	N
LAD980699326	Sibco Incorporated Greenwell Springs	14455 Frenchtown Rd		No	Yes		Y
† <sup>11</sup> LAD034190215	CM Penn & Sons Inc	14461 Frenchtown Rd	4231	3	Yes		See Notes
LAD079462404	Baton Rouge Clinic	8415 Goodwood Blvd	8011	1		D011	N
LAD982549727	O Christian Hall, DPM	8676 Goodwood Blvd #501		3		D011	N
LAD069326080	Mobile Ray of BR In	8281 Goodwood Blvd #D1		2		D011	N
LAD985221522	Thomas C Nash DDS	8220 Goodwood Blvd 3B	8021	3		D011	N
LAD985196336	Charles H Dempsey	8558 Goodwood Tara		2		D018	N
LAD082654252	Automotive World	14127 Greenwell Springs		Yes		F002 D001	Y
† <sup>14</sup> LAD985205699	Chevron USA Inc #159686	14343 Greenwell Springs	5541	2		D001 D018	N
LAD981584329	Avery Imports	7215 Highland Rd.		Yes			NO FILE
LAD980867964	LA Dept Wildlife & Fisheries	2000 Quail Dr	9511	2			See Notes
LAD981913130	Loupe Med Bldg/Jack & Joh	2142 Quail Run Dr	8011	2		D011 D002	N
LAD981901275	Southern Environment. Svc Inc	6348 Quinn Ave #B		CONFIDENTIAL FILE	Yes		See Notes
LAD982285033	PSC Environmental Mgmnt	6348 Quinn Dr Ste A		CONFIDENTIAL FILE	Yes		See Notes
LAD985199793	Exxon Co USA #51052	3191 S Acadian Hwy	5541	2		D001 D018	N
LAD000209700	Browning Ferris Ind	5757 Siegen Ln		1			See Notes
LAD069518728	Marquis Bobcat Sale	8305 Tom Dr		2		D001 D008	N
LAD985221803	Tool Shed Inc	7835 Tom Dr	3589	3		D001 F001	N
LAD075067983	Sherwin Williams Co	7471 Tom Drive		Yes			NO FILE
LAD982563207	All Pro Paint & Body Shop	7933 Tom Drive Ste B	7532	3		D001 F005 F003 F002 F001	Y
LAD982306771	Jimmy Swaggart Ministry	8919 World Ministry Ave	8661	2 *		D001	N

TABLE 7 (CONTINUED)  
RCRA NOTIFIERS

LAD #	NAME	ADDRESS	SIC	Gen <sup>1</sup>	Trans <sup>2</sup>	Type <sup>3</sup>	NOTES <sup>4</sup> (Y/N)
LAD982287617	Firestone Store	9801 A Cortanna Mall	7538	3		D001 F002	N
LAD985202092	Jetstream Tire & Car	8056 Airline	7538	3		D001R	N
LAD075061051	Dodge City	9550 Airline	5511	2		D001 F002	N
LAD985202613	Simple Simon Car Ca	7777 Airline Hwy	3011	3		D001 D018 D039	N
† <sup>26</sup> LAD985186089	Youngs Exxon	7725 Airline Hwy	5541	3		D001 D018	N
LAD985194471	Exxon Co USA #57939	9725 Airline Hwy		3		D018	N
LAD007859168	General Equipment Inc	10160 Airline Hwy	3531	2		D001 F003	N
† <sup>7</sup> LAD985194604	Exxon Co USA #53564	9936 Airline Hwy		3		D018	N
LAD981904501	Helouin Animal Clinic Inc	7821 Airline Hwy		3		D011	N
LAD985208008	Exxon Co USA #50145	8455 Airline Hwy	5541	3		D001 F002	N
LAD985223494	Baheth Laboratories	7600 Airline Hwy	8734	2			See Notes
LAD077914232	Hertz Equipment	8080 Airline Hwy	3699	3		D001 D008 D018 D039	N
LAD985205426	Budget Transmission	9525 Airline Hwy	7537	3		D001	N
LAD985205368	Briggs Weaver Inc	7950 Airline Hwy	3599	3		D001	N
LAD981607252	Coleman Oldsmobile Inc	9150 Airline Hwy	5511 and 5012	3			See Notes
LAD034172098	Capitol City Glass	8405 Airline Hwy		3		D001	N
LAD985209022	McCants Automotive	9625 Airline Hwy	7539	3		D001	N
LAD104020029	The V Shop	8329 Airline Hwy	7538	3 *		D001 D001R F001 WOIL	N
LAD982283210	The Sports Shop	8005 Airline Hwy		1		D001	N
LAD981600075	Womans Hosp Foundation	9050 Airline Hwy	8069	2		U002 U044 U122 U154 U259 F002 D001	N
LAD094918547	Royal Nissan Inc	9325 Airline Hwy	5511	2		D001	N
LAD034189175	O-C Auto Cntr Inc	8438 Airline Hwy	7538	2 *		D001 F002 F004	N
LAD985209758	Star Enterprise	9255 Airline Hwy	5541	2		D018	N
LAD982558165	Prevost Motors	9585 Airline Hwy	5511	2		D001	N
LAD055011217	Coleman Toyota	9292 Airline Hwy	7539	3		D001	Y
LAD985209204	Premier Cleaners	9945 Airline Hwy Ste C	7219	3		F002	N
LAD982548091	Family Medl Ctr of Baton Rou	604 Cheville Suite C		3		D011	N



TABLE 7 (CONTINUED)  
RCRA NOTIFIERS

LAD #	NAME	ADDRESS	SIC	Gen <sup>1</sup>	Trans <sup>2</sup>	Type <sup>3</sup>	NOTES <sup>4</sup> (Y/N)
LAD985194554	Aubreys Truck & Almnt Ctr	10384 Choctaw		3		D001R	N
LAD982550485	Frank W McDavitt DDS	730 Colonial Dr		3		D011	N
LAD985221829	The Clinic of Ear Nose & Thrt	710 Colonial Dr	8011	2		D011R	N
LAD985198803	Dr Kyle R Kennedy	615 Colonial Dr	8021	3		D011	N
LAD985185172	AWC Inc	11440 Darryl Dr	5085	3		D001	N
						D002	
						D003	
LAD985204346	WC Smith Jr Printing	11211 Darryl Dr	2752	3		D011	N
LAD982283335	Big River Tire	10970 Florida		Yes		F002R	N
LAD981590045	Loupes Automotive Parts	13865 Florida Blvd		1		F002	N
						F004	
						D001	
						D002	
						D008	
LAD981916240	Richards Honda	7791 Florida Blvd		1		D001R	N
LAD985197516	Hi-Lo Auto Supply	12065 Florida Blvd	5013	3		D001	N
						F002	
LAD981584626	Firestone Store #44	7640 Florida Blvd	7538	3		D001	Y
LAD985199868	Kmart #3119	12444 Florida Blvd	5399	3		D001	N
LAD981591415	LeBoufs Transm Rpr	11857 Florida Blvd		2		D001	N
LAD981906266	Levis Toyota Inc	13000 Florida Blvd		1		D001	N
LAD985200229	Precision Tune 25-16	10932 Florida Blvd	7539	3		D001	N
						D018	
						D039	
LAD982548208	VP Bella MD	10127 Florida Blvd		3		D011	N
LAD072617038	Walker Clinic Inc	9948 Florida Blvd		3		D011	N
LAD982294597	City Parish - East Baton Rouge	2850 Gardere		3		D001	N
						F001	
LAD981905920	Ochsner Clinic Baton Rouge	8346 Kelwood	8011	1		D011	N
LAD144498052	River Oaks Animal Hospital	14471 Old Hammond Hw	0742	3		D011R	N
†22 LAD985194521	Exxon Co USA #51751	13315 Old Hammond Hwy		3		D018	N
LAD982549842	Charles L Lee MD	11548 Old Hammond Hwy		3		D011	N
LAD985197920	Browns Body Shop	12220 Old Hammond Hwy	7532	3		F003	N
						F005	
LAD981596943	L&K Auto Service	10154 S Choctaw		3		D001R	N
LAD985197979	Air & Process Systems, Inc	11558 S Choctaw	3583	3		D001	N
LAD045744562	American Press	12527 S Choctaw	2752	3		D001	N
LAD062633714	Jenkins Construction Corp	9680 S Choctaw	1611	3		D001R	N
LAD070673694	RV Shop Inc	13326 S Choctaw		2		D001	N
LAD982549735	Adept Mobile Auto Service	13030 S Choctaw		3		D001R	N
						F001R	
LAD985186907	Shamrock Pipe Tools	10928 S Choctaw	3544	3		D001R	N
LAD985204445	Zimmer Enterprises	8450 S Choctaw	7539	3		D001	N
LAD985173764	Diesel Specialties, Inc	8784 S Choctaw	7538	3		D001	N
LAD055015440	Baton Rouge Diesel Service	12561 S Choctaw	7699	3		D001	N
						F002	
						F004	
						D002	
						D008	

TABLE 7 (CONTINUED)  
RCRA NOTIFIERS

LAD #	NAME	ADDRESS	SIC	Gen <sup>1</sup>	Trans <sup>2</sup>	Type <sup>3</sup>	NOTES <sup>4</sup> (Y/N)
LAD985186949	Dresser Industries Inc (Industrial Tool Div)	10186 S Choctaw	3589	3		D001	N
LAD008184186	Strother Forms Printing	10038 S Choctaw Dr	2752	3		D002	Y
LAD981604689	Sytek	13408 S Choctaw Dr	7629	3		D001	N
LAD985214436	Gulf-Wandes Corporation	8325 S Choctaw Dr	3089	3		D001 F003	Y
LAD985197847	Rollins Leasing Corp.	8700 S Choctaw Dr	7513	3		D001	N
LAD981608276	Baton Rouge Auto Electric	12241 S Choctaw Dr	3694	3		D001R	N
LAD985201235	A All Trans Marte	8194 Tom Dr	7537	3		D001R	N
LAD011005824	Courtesy Body & Paint, Inc.	9714 Airline Hwy		2			See Notes
† <sup>35</sup> LAD981145873	LA DOTD Dist 61 HQ	8100 Airline Hwy	9621	2	Yes		See Notes
LAD985207455	Cajun Collision & Detail	655 Airway	7532	3		D001 D001R F001R F002R F003R F005R	N
LAD087656716	Davileo Electric Inc	2327 Airway Dr	7138	3		D001	N
LAD982284812	Baton Rouge Toms Sales	2110 American Way St		3		D001R F001R F002 F004 D008	N
LAD982287807	D&B Recovery Co	4768 Arrowhead St		No	Yes		See Notes
LAD071940191	Bone & Joint Clinic	5630 Bankers Ave		2		D011	N
LAD981913098	Drs Bryan Hatcher, Vick and Hasting	5345 Brittany Dr	8011	2		D011 D002	N
LAD985172865	Baton Rouge Clinic	3225 Broussard St.		3		D011	N
LAD001241405	Parkland Hospital	2414 Bunker Hill Dr	8063	3		D011R	N
LAD039176276	Mistretta Veterinary Clinic Inc	5764 Capital Heights		3		D011	
LAD981589542	Evangeline Medical & X-Ray Distributors	6781 Cezanne Ave	5047	1	Yes	D011	Y
LAD981915796	Lejeunes Auto Svc	6489 Choctaw Dr		Yes		D001	N
LAD985222454	Dr John T Vignes	4616 Concord Ave	8021	3		D011	N
LAD069309870	Thomas J Kiebach DDS APDC	2726 Continental Dr #2	8021	3		D011	N
LAD982551756	Ronald D Landry DDS	2726 Continental Dr #A	8021	3		D011	N
LAD982549651	Billy C Michal DDS	2726 Continental Dr #B	8021	3		D011	N
LAD985199421	Churchill Envrnmntl Svcs Inc	5420 Corporate Blvd St 3	1799	No	Yes		See Notes
LAD985173988	Norwell Equipment Co	10110 Daradale Dr	3531	3		D001	N
LAD008180689	Baton Rouge Coca-Cola Bottling Co	10000 Dawnadele Ave	2089	3 *		D001	N
LAD155255581	Baton Rouge Ambulatory Surgical Svc	5328 Didesse Dr	8011	3		D011	N
LAD981907918	ENT Medical Center	5258 Dijon Dr	8011	3		D011	N
LAD107192817	Baton Rouge Radiology Group	5422 Dijon Dr	8011	2		D011	N
LAD982305518	Urology Associates	5238 Dijon Dr	8011	3		D011	N
LAD982548117	LA Cardiology Associates	5228 Dijon Dr		3		D011	N
LAD985200757	Ronald D Sylvest MD	5120 Dijon Ste 300	8011			D011	N

TABLE 7 (CONTINUED)  
RCRA NOTIFIERS

LAD #	NAME	ADDRESS	SIC	Gen <sup>1</sup>	Trans <sup>2</sup>	Type <sup>3</sup>	NOTES <sup>4</sup> (Y/N)
LAD982307241	Dresser Rand Company	2444 Dumont	7699	3		D001	N
LAD982562241	Lloyd Paul Champagne, MD	5131 Essen Ln	8011	3		D011	N
LAD985193473	Acadian Ambulance Svc, Inc	8450 Greenmoss	4789	3		D001	N
LAD116688136	RM Branstetter Jr DDS	6155 Harry Dr	8021	3		D011R	N
LAD982548059	Charlie H Bridges MD	7777 Hennessy Blvd		3		D011	N
LAD985175611	Drs Braud & Breaux Medical Plaza	7777 Hennessy Blvd	8011	3		D011R	N
† <sup>25</sup> LAD985194240	Exxon Co USA #58050	8885 Highland Rd		3		D018	N
LAD985199801	Exxon Co USA #52186	5295 Highland Rd	5541	3		D001	N
						D018	
† <sup>34</sup> LAD136316353	Kemron Environmental Svcs	16550 Highland Rd		3		See Notes	
LAD985184191	Desselle Maggard Corp	19151 Highland Rd	3823	3		D001	N
LAD034186916	McPete Chevrolet Inc	I-12 & Airline Intchg		1		D002	N
LAD096048202	Jefferson Animal Hospital	8774 Jefferson Hwy	0742	3 *		D011	N
LAD069540201	Tune Up #2 Inc	8859 Jefferson Hwy	7538	3		D001R	N
						F001R	
LAD985194414	Exxon Co USA #50814	8967 Jefferson Hwy		2		D018	N
LAD164542193	Davis & Sons	14067 Joor Rd	7538	3			See Notes
LAD982549644	Earl V Patterson DDS	7707 Old Hammond Hwy #5		3		D011	N
LAD981913296	Baton Rouge Family Med Ctr	6010 Perkins Rd	8011	3		D011	N
LAD985206739	College Dr Exxon	4527 Perkins Rd	7528	3		D001	N
LAD985212208	The Print & Copy Center Inc	4237 Perkins Rd	2752	3		D011	N
						D002	
LAD981145295	Welshs Cleaners	4479 Perkins Rd	7216	3		F002	Y
LAD032830739	Total Photographics, Inc	4273 Perkins Rd		2		D011	N
LAD985187830	Wal-Mart Inc	3535 Perkins Rd	7539	3		D001	N
LAD985193259	Animal Health Clinic	4803 Perkins Rd	8011	3		D011R	N
LAD034179630	Gordon & Sandifer Auto Service Inc	3825 Perkins Rd.	7538	3		D001	N
						F001	
						F002	
						F003	
						F005	
LAD982549487	William A Couvillion, DDS	7612 Picardy Suite C		3		D011	N
LAD981515216	Waste Mgmt of Baton Rouge	9501 S Choctaw	4953	3		D001	N
LAD985223502	4B Plastics Inc	12558 S Choctaw	3089	3	Yes	D001	Y
						F003	
LAD982292872	Airline Auto Mall	8500 Airline Hwy					NO FILE
LAD985195472	Allied Tires	11291 Florida Blvd					NO FILE
LAD981521669	Allwaste Svcs of BR	11245 Airline Hwy					NO FILE
LAD002839751	Anco Insulation Inc	1896 Wooddale Blvd					NO FILE
LAD102460714	Arabie Tire	15326 George O'Neal	7538	3		D001R	N
						F001R	
LAD981589179	Atlas Transmission	13950 Coursey Blvd	7537	3		D001	N
LAD982289084	Auto Brokers	4079 Florida Blvd		3		D001	N
LAD982549792	Automotive World	2071 Wooddale		3		D001R	N
						F001R	
LAD109832683	Baton Rouge Chiropractor	1023 N Lobdell		3		D011	N
LAD981588411	Baton Rouge Tire & Car Care	222 Lee Dr		3		D001	N

TABLE 7 (CONTINUED)  
RCRA NOTIFIERS

LAD #	NAME	ADDRESS	SIC	Gen <sup>1</sup>	Trans <sup>2</sup>	Type <sup>3</sup>	NOTES <sup>4</sup> (Y/N)
LAD008162075	Borden Dairy & Serv	4743 Florida Blvd				F001	NO FILE
LAD981055502	Bourgue Printing	13112 S Choctaw	2752	3		D011 D003 D004 F002 F004	Y
LAD981515125	Car Medic	9404 S Choctaw		3			N
LAD981588627	Catholic Diocese	1800 S Acadian Thruway		3			See Notes
LAD985185727	Celebration Station	10111 Gwenadele	7996	3		D001R	N
LAD985206085	Chevron USA Inc #	2212 O Neil	5541	2		D001 D018	N
LAD985205962	Chevron USA Inc #16	12924 Coursey Blvd	5541	2		D001 D018	N
LAD985206671	Custom Actuation	12323 S Choctaw	3499	2		D001R	N
LAD985175025	Custom Paint & Body	4530 Florida Blvd	7532	3		D001 F003 F005	N
† <sup>20</sup> LAD008181349	Daniell Battery Mfg	11150 S Choctaw	3691	3	Yes	D008R	Y
LAD985187814	Diamond Motors	12422 Florida Blvd	5511	2		F001	N
LAD982548844	Dr Don R Underwood Chiropractic Clinic	11851 Coursey Blvd	8041	3		D011	N
LAD052523974	Duplessis Cadillac	10313 Airline Hwy	5511	2			See notes
LAD985198795	EBR School Board	12000 Goodwood	2752	3		D011	N
LAD981149784	Edwards Clnrs & Ste	11232 Florida Blvd		3		F002	N
LAD096949649	Episcopal High School	3200 Woodland Ridge Blvd		3		P076 P078	N
LAD985194406	Exxon Co USA #50743	11336 Old Hammond Hwy		3		D018	N
LAD985194430	Exxon Co USA #51662	2020 O'Neal Lane	5541	3		D001	N
† <sup>22</sup> LAD985194521	Exxon Co USA #51751	13315 Old Hammond		3		D018	N
LAD982289050	Fairchild Chiroprac	11913 Coursey Blvd	8041	3		D011	N
LAD982294712	Gavin Coursey Chiro	11944 Coursey Blvd	8041	3		D011R	N
LAD001863455	General Tire Svc	4520 Florida Blvd	5531	3 *		D001 F001	N
LAD062633425	Genes Texaco Inc	1176 S Acadian Thruway	5541	3 *		D001	N
LAD985189745	Goodwood Chiropractic	656 Lobdell	8041	2		D011	N
LAD985190511	Goodyear Auto Svc	14364 Coursey Blvd	7538	2		D001R	N
LAD985221647	HST Motors	11977 Airline Hwy	5511	3		D011	N
LAD981596182	Interstate Graphics	2370 Wooddale	2759	3 *		D001	Y
LAD981589823	Jeff Cobb Auto Wks	1316 S Acadian Thruway		3		F002 F004 D001 D002 D008	N
LAD985202035	Johnny V Jenkins, MD	7414 Picary Ste A	8011	3		D011	N
LAD051031839	Keans the Cleaner	140 Sharp Rd					NO FILE
LAD985199124	Keans the Clnr	1809 Sherwood Forest	7216	3		F002	N
LAD981909070	Koala Co	515 Gardere Apt 162		No	Yes		Y
LAD981589955	LA State Police Public Safety	265 S Foster Dr	9229	3		D006	N

(A-33)

WEST ATCHA. FL DWAY FLOWLINE ELEV.

FLOW LINE	ATCHAFALAYA BASIN (CFS)	BELOW STA.895+00(cfs)	ABOVE STA.895+00(csf)	REMARKS
1986 Existing Flowline	1,500,000	400,000	250,000	existing conditions
1973 Refined Flowline	1,500,000	400,000	250,000	future conditions without project
1986 Design Flow line without AILE	1,500,000	400,000	250,000	future conditions with project, without Avoca Island levee extension
1986 Design Flow Line with AILE	1500000	400,000	250,000	future conditions with project, with Avoca Island levee extension

1986 Existing flow line elevations are the same as 1986 Design flow line elevations at those locations along this levee for which only the 1986 Design flow line elevations are listed.



TABLE 7 (CONTINUED)  
RCRA NOTIFIERS

LAD #	NAME	ADDRESS	SIC	Gen <sup>1</sup>	Trans <sup>2</sup>	Type <sup>3</sup>	NOTES <sup>4</sup> (Y/N)
	Services Building Grounds					D007 D008 F003 F005 F002	
LAD981520745	Lake Park Clnrs	12240 Coursey Blvd		2			N
LAD982293466	Leming Car Care Inc	14140 Coursey Blvd					NO FILE
LAD982307316	Maaco Auto Painting	11740 Airline Hwy					NO FILE
LAD985222728	Margot	7786 S Choctaw Dr					NO FILE
LAD981902190	Miller Terrell Impo	4945 Florida Blvd					NO FILE
† <sup>36</sup> LAD042882936	Monterrey Exxon	9196 S Choctaw	5541	3		D018 F002	N
LAD985213073	Mudica Car Care Tex	4149 Florida Blvd	5541	3		D001	N
LAD093540615	National Elect Coil	11997 Airline Hwy		2		D001	N
LAD982306805	National Transmission	2322 N Lobdell		1		D001	N
LAD985207638	Patterson Equipment	10414 Airline Hwy	3531	3		D001	N
LAD985209220	Premier Cleaners	4207 Perkins	7219	3		F002	N
LAD010013571	Pro Tune Auto Care	11179 Florida		3		F002 F004 D001 D008 D002	
LAD985222561	Process Services Inc	12301 Coursey Blvd	3579	3		D001	N
LAD985209196	Quimby & Quimby DDS	11830 Coursey Blvd	8021	3		D011	N
LAD985200609	Red Stick Armature	9444 S Choctaw	3589	3		D001	N
LAD981900111	River City Diesel	5041 Adams Ave					NO FILE
LAD059118711	Ryder Truck Rental	10424 Airline Hwy					NO FILE
LAD985197243	Salary Station	2959 College Dr		2		D018	N
LAD985203371	Sandair Corporation	11770 Airline Hwy	5084	3		D001R F001R	N
LAD052524501	Scaffolding Rental	4717 Adams Ave				FILE NOT AVAILABLE	
LAD985200849	Sherwood S Animal Hos	3805 S Sherwood Forest					NO FILE
LAT230013856	South Central Bell	566 Lobdell Ave					NO FILE
LAD980509913	South Central Bell	Sherwood Forest Blvd					NO FILE
LAD981908072	Southpoint Volkswagen	11840 Airline Hwy					NO FILE
LAD980812713	Synmet Inc	12251 S Choctaw		Yes		F003 F005 D002	N
LAD982563363	The Print & Copy Center	3851 S Sherwood Forest	2752	3		D002 D011	N
LAD982549511	The V Shop	10120 Daradele	7538	3 *		D001 F001	N
LAD981521610	Treads & Care	100 Wooddale Blvd	7538	3		D001 D008	N
LAD112775861	VW Auto Svc	1936 Wooddale Ct		1		D001	N
LAD982284275	Wedge Kyes Import	10485 Airline Hwy		3		D001 F001	N
LAD985207364	Western Auto	12888 Florida Blvd	7539	3		D001 D018 D039	N

TABLE 7 (CONTINUED)  
RCRA NOTIFIERS

LAD #	NAME	ADDRESS	SIC	Gen <sup>1</sup>	Trans <sup>2</sup>	Type <sup>3</sup>	NOTES <sup>4</sup> (Y/N)
LAD980745491	Wheels in Motion	10444 Airline Hwy					NO FILE
LAD981150758	Wolf Cleaners	11903 Coursey Blvd		3		F002	N
LAD985203488	Wooddale Printing	1818 Wooddale Blvd	2759	3		D011	N
LAD034199133	Woodfin - Smith Pontiac	300 Wooddale Blvd	5511	2		D001R	N
						D006R	
						D007R	
						D008R	
						F001R	
						F002R	
LAD03419932	Younger Brothers Inc	11143 Airline Hwy	4789	1		D001	Y

\* Indicates that storage in tanks is less than 90 days

<sup>1</sup> Indicates that the site is a generator of hazardous waste.

Yes - Amount generated not specified

1 - Generates greater than 1000 kg/month

2 - Generates between 100 to 1000 kg/month

3 - Generates less than 100 kg/month

<sup>2</sup> Indicates that the site is a transporter of hazardous waste

<sup>3</sup> Indicates the type of hazardous waste handled as described in Table 5

<sup>4</sup> Additional notes follow this table for this site

The following locations had additional information regarding NOV's, complaint records, spills, etc. in their file. If there was no file available at LDEQ, the site was not considered to be a concern, even if it fell in the project search limit of one mile. Only those sites with compliance history which are inside the one mile search distance were daggered.

LAD981046949 Southern Environmental 8922 Jefferson Hwy: A memorandum dated February 13, 1992 requesting that records obtained in the course of the inspection and investigation related to sites near Hillsdale, LA, St. Helena Parish, remain confidential in accordance with LA. R.S. 30:3020:a.(1)(a). Information on this site may also have been gathered during this investigation and is also declared confidential. This site is listed on the RCRIS listing as a generator only.

LAD982758880 Allwaste Svcs Of BR 8670 Pecue Lane: The facility/company is a transporter for commercial purposes by highway.

LAD981593783 Rollins Chempak Inc 4332 Rhoda Dr: The facility/company is a transporter by highway. Prior to May 1, 1990, site was also a generator of hazardous waste. A General Inspection dated May 18, 1990 indicates that the company was out of business.

LAD980866040 Rodgers Marine Towing Service Ltd 4416 Rhoda Drive: The facility/company is a transporter barge on the Mississippi River.

†<sup>33</sup> LAD981058522 Keans Cleaners 218 Staring Ln: A Citizens Complaint Record was filed dated April 16, 1990 by someone who witnessed an employee pouring perc into a ditch. The company filed a request for extension of time for storage of hazardous waste and 30 additional days were granted on June 11, 1990, September, 1990, October 2, 1990, October 25, 1990, and December 13, 1990. A Notice of Violation was issued in September, 1990 concerning the perc in the ditch. An Inspection of the site was conducted on October 9, 1990 and a followup on October 23, 1990. Soil sampling was conducted by Keans on December 14, 1990 and was witnessed by LDEQ. The file included a letter dated February 28, 1991 quoting TCLP regulations which specify regulatory levels of 0.7 mg/L for perc (liquid phase) with extraction with pH adjusted water and a weight adjusted ratio of 20 to 1. The maximum extractive effect is to yield a slurry of soil and water in which the mass concentration is the same in solid and liquid portions. This has the effect of lowering the concentration by the ratio of 1 to 21. The most concentrated sample from pit contained 14.9 mg/kg. Dividing this by 21 yields .71 mg/kg in the leachate. Removal of 38 tons of contaminated soil was conducted. Analysis of samples taken after removing soil show concentration levels total of purgable perc ranging from 0.04 mg/kg to 14.9 mg/kg.

LAD981900806 Chiropractic Service & Supply 9627 W Tams: The facility/company is a transporter by highway and also a generator.

LAD985197656 Novachem Inc 7924 Wrenwood Blvd Suite: The facility/company is listed as an off-specification used oil fuel marketer.

LAD102449089 La Environmental Sales 10265 Janice St: The facility/company is a transporter by highway in addition to being a generator.

LAD981058621 Rollins Environmental Science 12010 Lakeland Park Blvd: The facility/company is a transporter by highway #DED012333191. A Notice of Violation was issued dated March 29, 1988 at Pilgrims MiniWarehouse. The site was cited for failure to notify the Department of hazardous waste activity at this facility, failure to determine if the waste at the facility was a hazardous waste, failure to obtain an EPA identification number before storing hazardous waste at this facility, failure to have hazardous waste containers clearly marked with the date accumulation began, and failure to inspect at least weekly, areas where containers were stored. The above mentioned violations had been corrected by the company and the company had been placed in compliance as of the date of this action. Storage units contained drums labelled PCB, BR-10755-36, flammable liquid, BR-11482-35, IVP4X6 A-06215 Gross 410 lbs.

LAD040773129 Our Lady of the Lake Regional Medical Center 5000 Hennessey Blvd: A Compliance Order was issued March 13, 1987 citing failure to notify the DEQ as a generator of hazardous waste, in violation of Sections 7.1 f) and 3.2 a) of the Louisiana Hazardous

Waste Regulations. The Center kept silver waste in a vault and old film in a drum on site for more than 90 days, in violation of Section 7.5 e)1) of the Louisiana Hazardous Waste Regulations. The Compliance Order was rescinded May 12, 1987. A Notice of Violation was issued May 12, 1987 (replacing rescinded Compliance Order). Violations were corrected by the June 10, 1987 follow-up site inspection.

LAD981596331 Capital City Press 6700 Bluebonnet Rd: The facility/company uses an on-site reuse/recycle operation. Compliance Order issued August 5, 1988 cited failure to clearly mark accumulation date, failure to provide a contingency plan, and failure to provide a personnel training program. Violations were corrected on August 24, 1988. A General Inspection was conducted on June 21, 1991. The Inspection revealed that the facility generates three waste streams. The first is from the interceptor tank, which was analyzed for TC constituents using TCLP. No hazardous wastes were found as a result of this testing. The second is from inks which are non-hazardous, the third was spent varsol waste, which, when spent is a hazardous waste and is recycled on site.

LAD079457941 East Baton Rouge School Board 1050 S Foster Dr: No notification form is in the file. A Hazardous Waste Report from 1985 indicated that the type of hazardous waste generated were: D001, D009, D003, D002, U239, U012, U117, U188, U122, U211, U144, U151, P030, P012, U134, and P098.

LAD980864813 VIP (Vacuum Industrial Pollution) International 6638 Pecue Ln: The facility/company is a transporter by highway. The following hazardous wastes are transported: K050, K051, K052, K053, K060, K061, K062, K063, D001, D002, D003, F001, F003, F007, F012, F002, F006, F010, F016, K001, K015, K019, K022, K025, K030, K009, K016, K020, K023, K027, K048, K010, K018, K021, K024, K028, K049, U013, U019, U055, U134, U140, U220, U238, U239. During a June 27, 1983 inspection it was noted that the facility does not have discharge permit for washwater. A Site Inspection Report dated 11-1-83 indicated that a sump collects wash water, sludge is retained by a weir and liquid discharged to Clay Cut Bayou.

LAD072624083 Suttons Dry Cleaners 3724 Government St: A Notice of Violation dated August 20, 1986 stated that contrary to Sections 7.9 and 9.7 b) of the Louisiana Hazardous Waste Regulations, the emergency plan did not describe the actions facility personnel must take in case of an emergency and other required information, such as, but not limited to, a description of arrangements with local authorities. Above items were addressed and amended by October 14, 1986.

†<sup>31</sup> LAD981146624 Hydro-Kem Services Inc 18818 Highland Rd: The facility/company is a transporter by highway. A Compliance Order dated February 27, 1989 stated that the transporter failed to clean up a hazardous waste discharge that occurred on their property from the wash out of a tank, in violation of LAC:v.1317. The hazardous waste was 1.5 gallons of liquid caustic which was neutralized, and wash out of a tank (1000 gallons). Violation was corrected by April 18, 1989.

LAD981907389 Medical Center of Baton Rouge 17000 Medical Cntr Dr: On October 6, 1991 a chemical spill occurred from a shelf falling in lab. The following chemicals were spilled as a result: Phenol, Para-Formaldehyde, Ceric Ammonium Nitrate, Potassium Dichromate, Oxalic Acid, and 2-Octanol. The spill was cleaned up by the Hazardous Material Assessment Team and IT Corporation.

LAD981607559 Keans The Clnr 1039 Millerville Rd: The facility/company name changed to Carriage Cleaners.

LAD981901176 O'Neal Plaza One Hour Martinizing 2138 O'Neal Ln: The facility/company name changed to One Hour Martinizing.

LAD981904907 University Ford 7787 Florida Blvd: In addition to being a generator, the facility/company is also an off-specification used oil fuel marketer.

LAD982285181 Maison Blanche Car Care 9701 Cortana Pl: A Notice of Violation issued February 12, 1993 indicated failure to prepare and submit annual reports for the years 1987, 1988, 1989, 1990 and 1991 to the Administrative Authority. The NOV also cited failure to notify the Administrative Authority within seven days of changes in the information submitted in the application for the EPA identification number.

LAD003851441 Associated Grocers 8686 Anselmo Ln: In addition to being a generator, the facility/company is also a used oil collector/transporter. The facility generates approximately 10 gallons per month of Kodak fixer (24 fix), approximately 10 gallons per month Kodak developer (55 dev), and approximately 90 gallons per month of waste petroleum naphtha combustible liquid (UN1255). All wastes are recycled and reused and/or disposed offsite.

LAD023703721 Caleb Brett USA Inc 1833 Beaumont Dr: The facility/company generates the following hazardous wastes: D001, D002, F003, F005, U002, U019, U220, U239, and U159.

LAD098589583 Environmed Lab Inc 1874 Dallas Dr: A Notice of Violation was issued dated May 24, 1985 citing non-receipt of Hazardous Waste Annual Report. Compliance was met by June 10, 1985. A Letter of Warning was issued dated Feb 28, 1984 citing no personnel training program, no contingency plan and no emergency procedures. A Site Inspection was conducted by DEQ on June 4, 1984, all non-compliance had been met. Another Site Inspection was conducted on May 13, 1982. The facility was cited for storing hazardous waste longer than 90 days, dates not marked for date storage commenced, and items not marked as hazardous waste.

LAD981156987 Technology Consulting (FS), Inc. 1743 Dallas Dr: The facility is a transporter by highway.



†<sup>21</sup> LAD981149776 Drusilla One Hour Martinizing 3406 Drusilla Lane: Facility was formerly named Clarks One Hour Martinizing. A RCRA Inspection was conducted on June 2, 1986. Two random manifests were inspected, one manifest did not have signed copy and one did have signed copy. Perc was stored in drums with beginning date not clearly indicated on each container. Also, spilled hazardous material or hazardous material trapped in sumps were not cleaned up in a timely manner. A Notice of Violation was issued on June 20, 1986 pertaining to above deficiencies. A General Inspection was conducted on September 18, 1986 indicating that all items of non-compliance have been addressed.

LAD981058647 Pressing Matters 10051 Fla Blvd: Facility was named formerly Winsteads One Hour Drycleaning.

LAD980699326 Sibco Incorporated-Greenwell Springs 14455 Frenchtown Rd: Facility is a transporter by highway. On May 4, 1984 a Hazardous Waste specialist from LDEQ performed an inspection of the facility and no items of non-compliance were detected. Facility consists of a truck repair shop with no pits or other abatement equipment. Also †<sup>11</sup> there is a 500 gal used oil tank above ground on-site. The owner is listed as CM Penn & Sons. The company formed in 1982 and has 7 tanker type trailers for hauling liquids. A description of wastes handled annually are: oilfield brine and mud (10,000 tons), petrochemical waste treatment (10,000 tons), and other non-hazardous industrial waste (10,000 tons).

†<sup>11</sup> LAD034190215 CM Penn & Sons, Inc 14461 Frenchtown Rd: In addition to being a generator the facility is also a transporter for commercial purposes by highway, as well as a used oil collector/transporter. Listing of hazardous wastes handled are : D001, D004, D005, D006, D007, D008, D009, D010, D011, F001, F002, F003, F004, F005, K011, K013, K014, K083, U056, U080, U122, U154, U159, U190, U197, U210, U211, and U226.

A Site Inspection was conducted on January 31, 1984, citing sections of the hazardous waste manifest which were not filled out by the generator, no contingency plan and lack of personnel training. A second Site Inspection was conducted on May 13, 1986, and no items of non-compliance were detected.

A Citizen Complaint Record was logged dated Oct 6, 1982. The complainant alleged that washing trucks on site may introduce hazardous material into Beaver Creek which flows into the Comite River. CM Penn personnel stated that only the exterior of trucks are washed at this site. In addition, whenever hazardous waste is hauled the truck body is lined with visquene which is dumped with the load at the disposal site. DEQ indicated that there seems to be no problem at this site at the present time.

A Citizen Complaint Record was logged dated October 27, 1992 alleging that Penn was burying unknown materials on site. The complainant reported covered trucks entering the property. A tour of the site did not indicate any violations.

A Citizen Complaint Record dated April 13, 1983 was logged complaining of the storage of barrels on site. Complainant indicated that area where the drums were located flooded once in December and again last week. During an inspection of the site two or three empty drums were noted, but across Beaver Creek a couple hundred drums had floated against the fence line, most of which were empty. The property was leased to Amarex who used it as a storage yard, and subsequently went bankrupt. Penn personnel assumed responsibility and restacked the drums on higher land.

An Emergency Response Record was logged dated November 14, 1987. Ferric sulfate was reported leaking from a 165 gallon drum on the northbound lane of Airline Hwy at the Bellmont Hotel. The material was absorbed and picked up.

A Compliance Order was issued dated 17 May 89 citing failure to date manifest.

LAD082654252 Automotive World 14127 Greenwell Springs: The company moved and changed their number to LAD982549792. The Machine Shop #2 opened in this location, with a number of LAD982549529 (which is on the listing as Future Techs Auto).

LAD980867964 LA Dept Wildlife & Fisheries 2000 Quail Dr: The facility lists the following hazardous waste types: D002, D009, D011, U002, U122, U151, U080, U188, T(phenol & mercuric oxide).

LAD981901275 Southern Environmental Service Inc 6348 Quinn Ave #B: A memorandum dated February 13, 1992 was reviewed requesting that records obtained in the course of the inspection and investigation related to sites near Hillsdale, LA, St. Helena Parish, confidential in accordance with LA. R.S. 30:3020:a.(1)(a). Information on this site may also have been gathered during this investigation and is also declared confidential. This site is listed on the RCRIS listing as a generator only.

LAD982285033 PSC Environmental Management Field Services Co. 6348 Quinn Dr Ste A: A memorandum dated February 13, 1992 was reviewed requesting that records obtained in the course of the inspection and investigation related to sites near Hillsdale, LA, St. Helena Parish, confidential in accordance with LA. R.S. 30:3020:a.(1)(a). Information on this site may also have been gathered during this investigation and is also declared confidential. This facility is listed on the RCRIS listing as a generator only.

LAD000209700 Browning Ferris Ind 5757 Siegen Ln: This facility was once a chemical scaling and cleaning solution base station. The facility borders Clay Cut Bayou and Siegen Lane. A Potential Hazardous Waste Site Tentative Disposition dated 2/20/81 stated that facility was a truck washout storage facility. An inspection report indicated poor control of contaminated washwaters. Since that time several pits were closed and monitoring wells were installed. Lab analysis was conducted for organics and metals. The following substances and the levels of toxicity were noted: Vanadium (medium), Mercury (medium), Beryllium (medium), Magnesium (medium), 1,1,2-trichloroethane (high), 1,1,2,2-

tetrachloroethane (high), Aldrin (high), Chloroform (medium), 4,4-DDT (medium), Alpha BHC (medium), benzo(a)anthracene (medium). The following low toxicity substances found in the wells also significantly exceed the referenced goals or standards: Aluminum, silver, barium, phenatherene, benzene, chlorobenzene, 1,2-dichloroethane, 1,1-dichloroethane, 1,2-trans-dichloroethylene, 1,2-didchloropropane, ethylbenzene, methylene chloride, tetrachloroethylene, trichloroethylene, 1,4-dioxane.

A Site Inspection Report dated July 30, 1981 indicated that site activity was on-site cleaning transporter-owned trucks. Liquid and solid wastes were collected. Truck cleaning liquids, solids, and stormwater runoff were collected and stored in two on-site storage tanks. The inactive, earthen filled lagoons now constitute a landfill. Substances of concern and levels of toxicity are: Cobalt (high), Copper (high), Arsenic (high), thallium (high), chromium (medium), manganese (medium), nickel (medium), zinc (medium).

A Hazardous Waste Spill Record dated March 4, 1982 reported a vapor cloud drifting over Hwy 61. The type of material was unknown and was caused by a tank leak.

A Hazardous Spill Record was reviewed dated April 8, 1982. One of two tanks inside a concrete enclosure was leaking. The liquid inside the enclosure was leaking out through a valve fitting and running into a drainage ditch. Another pipe connected to a tank was leaking onto the ground.

A Hazardous Spill Record was logged dated July 23, 1982. Three fiberglass tanks of maximum capacity of 16,000 gallons each were ruptured by explosive gases and/or steam. The spill was directly related to lightening during a thunderstorm. All of the tank contents were spilled into the containing area, and approximately 1000 to 5000 gallons overflowed onto the ground. The spill consisted of aluminum chloride, hydrochloric acid solutions, and traces of aromatic and oily residues. No heavy metals were spilled.

A Terrain Conductivity Survey was conducted by Woodward Clyde Consultants dated April 1, 1983. The objective of the survey was to assess site conditions with respect to subsurface contamination migration by means of a terrain conductivity survey.

A Compliance Order was issued dated March 9, 1984. It ordered that plans for removal and/or containment of sources of contamination was required within 45 days. Monitoring wells were to be installed to analyze for priority pollutants.

A Compliance Order was issued on April 22, 1985 ordering that a ground water assessment be conducted due to contamination detected in monitoring wells. The contamination was subsequently verified by analysis in March 1985.

In November 1985 contamination notification of a leak was detected below a waste solidification building. It was indicated in the file that the system was open to underlying ground water.

LAD982563207 All Pro Paint & Body Shop 7933 Tom Drive Ste B: A newspaper article included in the file indicates that the owner paid someone to haul away 30 barrels of hazardous waste from the shop to a vacant house on Canal Street.

LAD985223494 Baheth Laboratories 7600 Airline Hwy: Types of waste generated at this facility are: D001, D002, D003, D004, D005, D006, D007, F001, F002, F003, F004, F005, D008, D009, D010, D011, D012, D013, D014, D015, D016, D017, D018, D019, D020, D021, D022, D023, D024, D025, D026, D027, D028, D029, D030, D031, D032, D033, D034, D035, D036, D037, D038, D039, D040, D041, D042, and D043.

LAD981607252 Coleman Oldsmobile Inc 9150 Airline Hwy: Types of waste generated at this facility are: F001R, F002R, D001R, D006R, D007R, D008R, F003, F005.

LAD055011217 Coleman Toyota 9292 Airline Hwy: Previously Toyota Saab.

LAD981584626 Firestone Store #44 7640 Florida Blvd: Out of business as of October 22, 1990.

LAD008184186 Strother Forms Printing 10038 S Choctaw Dr: A Compliance Order was issued dated November 8, 1991 citing the following: failure to mark container with the words "hazardous waste" or identify the contents of the container, failure to have a land disposal restriction notification for off-site disposal, and failure to notify of change in information on notification form.

LAD985214436 Gulf-Wandes Corporation 8325 S Choctaw Dr: In addition to being a generator, site has an on-site reuse/recycle operation.

LAD011005824 Courtesy Body & Paint, Inc. 9714 Airline Hwy: This facility generates the following types of hazardous wastes: F003, F005, D001, D002, D008, D002, and F004.

†<sup>35</sup> LAD981145873 LA DOTD Dist 61 HQ 8100 Airline Hwy: In addition to being a generator, facility is also a transporter by highway. The types of hazardous waste handled are: D001, F002, F003, and F005. A Notice of Violation dated March 6, 1986 indicated no plan for local authorities, and no list of emergency coordinators.

A Compliance Order was issued dated May 1, 1985 cited generation and storage of hazardous waste without an EPA ID number, storage on site for more than 90 days, storage in containers not designed and maintained for hazardous wastes, storage in severely rusting or damaged containers, storage of hazardous waste in open containers, storage of ignitable waste within 50 ft of property line, and failure to cleanup spill near the hazardous waste drum storage areas in a timely manner.

LAD982287807 D&B Recovery Co 4768 Arrowhead St: Facility is a transporter by highway.



LAD981589542 Evangeline Medical & X-Ray Distributors 6781 Cezanne Ave: In addition to being a generator, facility is used for on site reuse/recycle operation and is a transporter for its own waste by highway.

LAD985199421 Churchill Environmental Services Inc 5420 Corporate Blvd St 3: Facility is a transporter of hazardous wastes for commercial purposes by highway.

†<sup>34</sup> LAD136316353 Kemron Environmental Services 16550 Highland Rd: Kemron Environmental Services is a commercial environmental laboratory. The composition of the wastes they currently generate is organic solvents, diluted acid solutions, and solutions containing metals from analyses. The facility generates the following hazardous waste types: F002 (freon), D001, D002, U002 (acetone), U044 (choloform), U080, (Dichlomethane), U154 (methanol), U161 (MIB), U196 (pyridine), D006 (cadmium), D007 (chromium), D008 (lead), and D009 (mercury).

A Citizen Complaint Record was logged on April 24, 1980. The complainant was concerned that Bayou Fountain may be contaminated with hazardous waste from Kemron because two dogs have died and one became ill in last two weeks. Complainant stated that animals occasionally swam in the bayou behind Kemron. Upon inspection, approximately 20 to 25 drums were noted on the back side of property. Empty acid drums, and drums with no lids filled with jars were noted. Broken glass and plastic containers which the lab manager said contained only water samples was noted on the ground. An autopsy was done on dead dog the results of which is not included in this file.

A Hazardous Waste Interim Inspection report dated May 13, 1980 indicated that site was cleaned since previous inspection.

The soils in the drum storage area were analyzed for metals (all metals were analyzed on the EPA Toxicity Leachate) on April 28, 1986. The results concluded that in all cases a less than acceptable detection limit was found. The company conducted their own sampling and testing. All results were below detection limits.

A Inspection of the site was conducted on January 19, 1992. A new operator, International Analytical Services, Inc. which offers environmental services, noted approximately 100 vials with drops of Mercury and one metal gas cylinder of carbonyl sulfide remaining on site. The manifests which were inspected did not show the proper waste code number but instead state "none".

LAD164542193 Davis & Sons 14067 Joor Rd: This facility generates the following types of hazardous wastes: F003R, F005R, F002R, F001R, D001R, D006R, D007R, D008R.

LAD981145295 Welshs Cleaners 4479 Perkins Rd: A Citizens Complaint Record dated Sept 30, 1992 was logged. The complaint was an anonymous, typed letter sent to DEQ. The letter states that the cleaners has been sweeping perc down the drainage line for years.



Hazardous Waste Division personnel visited the site and no violations of the LA Hazardous Waste Regulations were noted during the inspection.

LAD985223502 4B Plastics Inc 12558 S Choctaw. In addition to being a generator, the facility is a transporter for its own waste via highway.

LAD981055502 Bourgue Printing 13112 S Choctaw. On September 29, 1988 the company requested that their status be changed from a hazardous waste generator to a solid waste generator. DEQ witnessed re-sampling and stated that status would be reconsidered when this new analysis was completed. The file contained no notes indicating whether or not the status was changed.

LAD981588627 Catholic Diocese 1800 S Acadian Thruway. On July 18, 1986 the facility is listed as a generator of types F002, F004, D008, D000, D001, and D002. On March 19, 1991 the facility requested removal of types F002, F004 and D008. On February 27, 1991 facility is listed as a type 3 generator of types D002 and D011. As of February 5, 1992 the facility is listed as a type 3 generator of types D001, 2882, and 3123.

†<sup>20</sup> LAD008181349 Daniell Battery Mfg 11150 S Choctaw. In addition to being a generator of hazardous waste, the facility is also a transporter by highway for its own waste only.

A RCRA Compliance Evaluation Inspection dated July 15, 1992 indicated that the plant †<sup>D13</sup> receives antimonial lead from Schuylkill Metals and other smelters. The facility manufactures batteries. In 1991, the Daniell Battery Plant produced 161 tons of various plant lead scraps. A Compliance Order issued dated October 29, 1992 indicated that respondent failed to have a containment system designed and operated in accordance with Louisiana Laws, failed to determine if waste generated was a hazard, failed to label or clearly mark containers storing hazardous waste and the date accumulation began, failed to keep containers holding hazardous waste closed during storage, treated hazardous waste without having an interim status or a standard permit, failed to inspect area where containers are stored looking for leaking containers and deterioration of the containers, failed to institute personnel training, and failed to include in their annual report the type of material handled, the amount of material handled, and the disposition of their wastes.

LAD052523974 Duplessis Cadillac 10313 Airline Hwy. The types of hazardous waste generated are as follows: D001R, D002R, D003, F001R, F002R, F003R, F005R, D006R, D007R, D008R. In addition to being a generator, facility is also listed as a used oil collector/transporter.

LAD981596182 Interstate Graphics 2370 Wooddale. Facility was formerly named Big River Kawasaki.

LAD981909070 Koala Co 515 Gardere Apt 162. Facility is a transporter by highway.

LAD980812713 Synmet Inc 12251 S Choctaw. A Letter of Warning was issued dated December 2, 1983 citing failure of notification of hazardous waste activity. Facility was out of business as of October 6, 1989.

LAD034199323 Younger Brothers Inc 11143 Airline Hwy. Previously the facility was also listed as a hazardous waste transporter. A Letter of Warning was issued on July 11, 1984 citing no contingency plan and no personnel training. A Site Inspection dated July 23, 1984 cited no items of non-compliance. A Notice of Violation dated December 17, 1987 indicated that the generator failed to sign manifest.

Seven sites from this listing of RCRA notifiers have been identified as potential sources of HTRW contamination. These sites are: Kean's Cleaners (218 Staring Lane); Hydro-Kem Services Inc (18818 Highland Rd); Drusilla One Hour Martinizing (3406 Drusilla Lane); CM Penn and Sons, Inc (14461 Frenchtown Rd); LA DOTD District 61 Headquarters (8100 Airline Hwy); Kemron Environmental Services (16550 Highland Rd); and Daniell Battery Mfg (11150 S Choctaw).

Determination of possible contamination pathways to project locations and testing recommendations are discussed in Section 6.0, Conclusions and Recommendations.

Office of Solid and Hazardous Waste, Underground Storage Tank Division, Enforcement Division. The information on USTs resides in a computer database format at LDEQ. Data was obtained from LDEQ Underground Storage Tank Division for active registered tanks within approximately one mile of the project stream location. USTs are a potential source of soil and groundwater contamination from the products they contain. Most of the tanks registered contain petroleum hydrocarbon products, although other potential toxins are also noted. Tanks of particular concern to the project are indicated with a dagger. The area of research was generally limited to USTs within approximately one mile of the channel. This office also maintains files on violations on USTs as well as required monitoring information and quarterly reports required as a result of these violations.

Table 8 contains the active USTs. Any violations or information in the corresponding file on the UST follows this table.

TABLE 8  
ACTIVE UNDERGROUND STORAGE TANKS

FACILITY	LOCATION	DATE INSTALLED	CAPACITY (gal)	TYPE	CONT
Kleinpeter Farms Dairy, Inc	14444 Airline Hwy	02/27/76	6000	Steel	Gas
Kleinpeter Farms Dairy, Inc	14444 Airline Hwy	02/27/85	8000	Fiberglas	Diesel
Kleinpeter Farms Dairy, Inc	14444 Airline Hwy	02/27/71	2000	Steel	Gas
Kmart #3119	12444 Florida Blvd	05/02/73	1000	Steel	Unknown

TABLE 8 (CONTINUED)  
ACTIVE UNDERGROUND STORAGE TANKS

FACILITY	LOCATION	DATE INSTALLED	CAPACITY (gal)	TYPE	CONT
Jenkins Construction Corp	9680 S Choctaw Dr	04/15/81	12000	Steel	Diesel
Jenkins Construction Corp	9680 S Choctaw Dr	04/15/83	6000	Steel	Gas
Jenkins Construction Corp	9680 S Choctaw Dr	04/15/82	8000	Steel	Gas
Jenkins Construction Corp	9680 S Choctaw Dr	04/15/82	8000	Steel	Diesel
Jenkins Construction Corp	9680 S Choctaw Dr	Unknown	1000	Steel	Kerosene
Jay's Texaco	405 S Gus Young Ave	05/05/76	2000	Steel	Gas
Jay's Texaco	405 S Gus Young Ave	05/05/76	2000	Steel	Unknown
Jay's Texaco	405 S Gus Young Ave	05/05/76	2000	Steel	Unknown
LA Nursery Outlet	12289 Florida Blvd	1968	1000	Unknown	Gas
Imaharal Landscape Co, Inc	8680 Perkins Rd	04/29/84	2000	Steel	Gas
Buune Plastics	Airline Hwy	01/06/84	1000	Steel	Gas
AAA Rental	13562 Florida Blvd	01/06/84	1000	Steel	Gas
AAA Rental	13562 Florida Blvd	01/06/84	1000	Unknown	Gas
Bano's Quality Produce	6930 S Choctaw Dr	01/06/84	550	Steel	Diesel
Bano's Quality Produce	6930 S Choctaw Dr	01/06/84	2000	Steel	Gas
Rays Plumbing	11556 Darryl Dr	01/06/84	1000	Steel	Gas
New Generation	10100 Florida Blvd	01/06/85	2000	Steel	Gas
Custom Securities	11910 Richcroft	01/06/85	1000	Steel	Gas
Marabella's 66	3155 Perkins Rd	Unknown	6000	Unknown	Gas
Marabella's 66	3155 Perkins Rd	Unknown	6000	Unknown	Gas
Marabella's 66	3155 Perkins Rd	Unknown	4000	Unknown	Diesel
Marabella's 66	3155 Perkins Rd	Unknown	500	Unknown	Unknown
Floyd Fence Company	4347 Jeffrey Dr	12/89	1000	Unknown	Gas
Hollabaugh-Spindel Funer Hme	1553 Wooddale Blvd	04/25/75	1000	Unknown	Gas
Hertz Equipment Rental Corp	8080 Airline Hwy	Unknown	8000	Steel	Diesel
RL Hall & Associates, Inc	2326 Airway Dr	05/07/85	2000	Steel	Diesel
RL Hall & Associates, Inc	2326 Airway Dr	05/07/85	2000	Steel	Gas
Hammond Aire Auto Spa	9614 Airline Hwy	05/06/85	10000	Steel	Unknown
Hammond Aire Auto Spa	9614 Airline Hwy	05/06/85	10000	Steel	Unknown
Hammond Aire Auto Spa	9614 Airline Hwy	05/06/85	10000	Steel	Unknown
Gulf Coast Coca Cola Bottling	10000 Dawnadele Ave	05/01/71	10000	Steel	Gas
Gulf Coast Coca Cola Bottling	10000 Dawnadele Ave	05/01/78	3000	Steel	Gas
Gulf Coast Coca Cola Bottling	10000 Dawnadele Ave	05/01/78	10000	Steel	Diesel
† <sup>22</sup> Exxon Station 51751	13315 Old Hammond	04/12/84	12000	Unknown	Gas
† <sup>22</sup> Exxon Station 51751	13315 Old Hammond	04/12/84	10000	Unknown	Diesel
† <sup>22</sup> Exxon Station 51751	13315 Old Hammond	04/12/84	10000	Unknown	Gas
† <sup>22</sup> Exxon Station 51751	13315 Old Hammond	04/12/84	8000	Unknown	Gas
† <sup>22</sup> Exxon Station 51751	13315 Old Hammond	04/12/84	1000	Unknown	Unknown
† <sup>26</sup> Bill Simon Exxon 50550	7725 Airline Hwy	04/08/71	6000	Unknown	Gas
† <sup>26</sup> Bill Simon Exxon 50550	7725 Airline Hwy	04/08/71	6000	Unknown	Gas
† <sup>26</sup> Bill Simon Exxon 50550	7725 Airline Hwy	04/08/71	8000	Unknown	Gas
† <sup>26</sup> Bill Simon Exxon 50550	7725 Airline Hwy	04/08/71	6000	Unknown	Gas
† <sup>26</sup> Bill Simon Exxon 50550	7725 Airline Hwy	04/08/71	550	Unknown	Unknown

TABLE 8 (CONTINUED)  
ACTIVE UNDERGROUND STORAGE TANKS

FACILITY	LOCATION	DATE INSTALLED	CAPACITY (gal)	TYPE	CONT
Exxon Station 51305	6060 Bluebonnet	Unknown	12000	Fiberglass	Gas
Exxon Station 51305	6060 Bluebonnet	Unknown	10000	Fiberglass	Diesel
Exxon Station 51305	6060 Bluebonnet	Unknown	10000	Fiberglass	Gas
Exxon Station 51305	6060 Bluebonnet	Unknown	8000	Fiberglass	Gas
† <sup>25</sup> Exxon Station 8050	8885 Highland Rd	1985	12000	Fiberglass	Gas
† <sup>25</sup> Exxon Station 8050	8885 Highland Rd	1985	10000	Fiberglass	Diesel
† <sup>25</sup> Exxon Station 8050	8885 Highland Rd	1985	10000	Fiberglass	Gas
† <sup>25</sup> Exxon Station 8050	8885 Highland Rd	1985	10000	Fiberglass	Gas
Exxon Station 51162	2020 O'Neal Lane	04/12/83	12000	Fiberglass	Gas
Exxon Station 51162	2020 O'Neal Lane	04/12/83	10000	Fiberglass	Diesel
Exxon Station 51162	2020 O'Neal Lane	04/12/83	8000	Fiberglass	Gas
Exxon Station 51162	2020 O'Neal Lane	04/12/83	8000	Fiberglass	Gas
Exxon Station 51162	2020 O'Neal Lane	04/12/83	1000	Fiberglass	Unknown
Exxon Station 53838	4527 Perkins	04/12/84	12000	Fiberglass	Gas
Exxon Station 53838	4527 Perkins	04/12/84	10000	Fiberglass	Diesel
Exxon Station 53838	4527 Perkins	04/12/84	10000	Fiberglass	Gas
Exxon Station 53838	4527 Perkins	04/12/84	8000	Fiberglass	Gas
Exxon Station 53838	4527 Perkins	04/12/84	1000	Fiberglass	Unknown
Exxon Station 56174	5857 Essen Lane	04/12/84	12000	Fiberglass	Gas
Exxon Station 56174	5857 Essen Lane	04/12/84	10000	Fiberglass	Diesel
Exxon Station 56174	5857 Essen Lane	Unknown	8000	Fiberglass	Gas
Exxon Station 56174	5857 Essen Lane	Unknown	8000	Fiberglass	Gas
Exxon Station 56174	5857 Essen Lane	Unknown	1000	Fiberglass	Unknown
† <sup>23</sup> Exxon Station 5-0608	4555 Essen Lane	07/17/85	10000	Fiberglass	Empty
† <sup>23</sup> Exxon Station 5-0608	4555 Essen Lane	07/17/85	8000	Fiberglass	Empty
† <sup>23</sup> Exxon Station 5-0608	4555 Essen Lane	07/17/85	10000	Fiberglass	Empty
† <sup>23</sup> Exxon Station 5-0608	4555 Essen Lane	07/17/85	12000	Fiberglass	Empty
Stanford Exxon Store 5-1052	3191 S Acadian Thr	10/91	12000	Fiberglass	Gas
Stanford Exxon Store 5-1052	3191 S Acadian Thr	10/91	12000	Fiberglass	Gas
Stanford Exxon Store 5-1052	3191 S Acadian Thr	10/91	12000	Fiberglass	Gas
† <sup>12</sup> Central Exxon Serv Cen 52176	11575 Sullivan Rd	04/08/85	8000	Fiberglass	Unknown
† <sup>12</sup> Central Exxon Serv Cen 52176	11575 Sullivan Rd	04/08/85	1000	Fiberglass	Unknown
† <sup>12</sup> Central Exxon Serv Cen 52176	11575 Sullivan Rd	04/08/85	10000	Fiberglass	Gas
† <sup>12</sup> Central Exxon Serv Cen 52176	11575 Sullivan Rd	04/08/85	10000	Fiberglass	Gas
† <sup>12</sup> Central Exxon Serv Cen 52176	11575 Sullivan Rd	04/08/85	10000	Fiberglass	Gas
Crossroads Exxon 5-7939	9725 Airline Hwy	04/08/80	6000	Fiberglass	Gas
Crossroads Exxon 5-7939	9725 Airline Hwy	04/08/80	6000	Fiberglass	Gas
Crossroads Exxon 5-7939	9725 Airline Hwy	04/08/80	1000	Fiberglass	Unknown
Crossroads Exxon 5-7939	9725 Airline Hwy	04/08/80	8000	Fiberglass	Gas
† <sup>7</sup> Bill Moore's Exxon 5-3564	9936 Airline Hwy	04/08/85	10000	Fiberglass	Gas
† <sup>7</sup> Bill Moore's Exxon 5-3564	9936 Airline Hwy	04/08/85	10000	Fiberglass	Gas
† <sup>7</sup> Bill Moore's Exxon 5-3564	9936 Airline Hwy	04/08/85	10000	Fiberglass	Gas
† <sup>7</sup> Bill Moore's Exxon 5-3564	9936 Airline Hwy	04/08/85	10000	Fiberglass	Diesel

TABLE 8 (CONTINUED)  
ACTIVE UNDERGROUND STORAGE TANKS

FACILITY	LOCATION	DATE INSTALLED	CAPACITY (gal)	TYPE	CONT
† <sup>7</sup> Bill Moore's Exxon 5-3564	9936 Airline Hwy	Unknown	1000	Fiberglas	Unknown
† <sup>36</sup> Monterray Exxon 50628	9196 S Choctaw Dr	04/08/67	6000	Steel	Gas
† <sup>36</sup> Monterray Exxon 50628	9196 S Choctaw Dr	04/08/67	8000	Steel	Gas
† <sup>36</sup> Monterray Exxon 50628	9196 S Choctaw Dr	04/08/67	6000	Steel	Gas
† <sup>36</sup> Monterray Exxon 50628	9196 S Choctaw Dr	04/08/67	550	Steel	Unknown
† <sup>8</sup> Broadmoor Exxon 5-5737	9988 Florida	04/08/84	10000	Fiberglas	Gas
† <sup>8</sup> Broadmoor Exxon 5-5737	9988 Florida	04/08/84	8000	Fiberglas	Gas
† <sup>8</sup> Broadmoor Exxon 5-5737	9988 Florida	04/08/84	8000	Fiberglas	Gas
† <sup>8</sup> Broadmoor Exxon 5-5737	9988 Florida	04/08/84	1000	Fiberglas	Unknown
Moores Plumbing Co	Greenwell Springs Rd	05/08/71	560	Steel	Gas
Baton Rouge Beer Agency	7808 Airline Hwy	05/08/76	4000	Steel	Gas
Fuelman	10547 Airline Hwy	05/01/85	10000	Fiberglas	Diesel
Fuelman	10547 Airline Hwy	05/01/85	10000	Fiberglas	Gas
Fuelman	10547 Airline Hwy	05/01/85	10000	Fiberglas	Gas
Fuelman	10547 Airline Hwy	05/01/85	10000	Fiberglas	Gas
Fuelman	5517 Florida	05/01/85	10000	Fiberglas	Diesel
Fuelman	5517 Florida	05/01/85	10000	Fiberglas	Gas
Fuelman	5517 Florida	05/01/85	10000	Fiberglas	Gas
Fuelman	5517 Florida	05/01/85	10000	Fiberglas	Gas
Fuelman	7836 Airway	05/01/82	3000	Steel	Gas
Fuelman	7836 Airway	05/01/82	8000	Steel	Gas
Fuelman	7836 Airway	05/01/82	6000	Steel	Diesel
Fuelman	7836 Airway	05/01/82	8000	Steel	Gas
† <sup>42</sup> Speedway Unit #9059	10174 Airline Hwy	Unknown	10000	Steel	Gas
† <sup>42</sup> Speedway Unit #9059	10174 Airline Hwy	Unknown	10000	Steel	Gas
† <sup>42</sup> Speedway Unit #9059	10174 Airline Hwy	Unknown	10000	Steel	Gas
Episcopal High School	3200 Woodlawn Ridge	03/10/74	2000	Steel	Unknown
Thomas Sand & Gravel	Greenwell Springs Rd	04/28/69	3000	Steel	Diesel
Thomas Sand & Gravel	Greenwell Springs Rd	04/28/69	3000	Steel	Diesel
Thomas Sand & Gravel	Greenwell Springs Rd	04/28/71	2000	Steel	Gas
Sigmor #985	110 S Foster Dr	04/18/71	10000	Steel	Gas
Sigmor #985	110 S Foster Dr	04/18/71	15000	Steel	Gas
Sigmor #985	110 S Foster Dr	04/18/71	10000	Steel	Gas
Country Corner	9232 S Choctaw Dr	05/01/76	8000	Steel	Gas
Country Corner	9232 S Choctaw Dr	05/01/76	7000	Steel	Gas
Country Corner	9232 S Choctaw Dr	05/01/76	5000	Steel	Gas
Country Corner	9232 S Choctaw Dr	05/01/76	5000	Steel	Gas
Dept of Transportation & Dev	5080 Florida Blvd	05/07/80	287	Steel	Gas
Dept of Transportation & Dev	5080 Florida Blvd	05/07/80	287	Steel	Gas
Section 41 Tom Dr (LDOTD)	7686 Tom Dr	05/02/84	20000	Fiberglas	Gas
Section 41 Tom Dr (LDOTD)	7686 Tom Dr	05/02/84	20000	Fiberglas	Diesel
† <sup>35</sup> DOTD District 61	8100 Airline Hwy	03/24/75	5005	Steel	Gas
† <sup>35</sup> DOTD District 61	8100 Airline Hwy	03/24/75	5005	Steel	Gas



TABLE 8 (CONTINUED)  
ACTIVE UNDERGROUND STORAGE TANKS

FACILITY	LOCATION	DATE INSTALLED	CAPACITY (gal)	TYPE	CONT
† <sup>35</sup> DOTD District 61	8100 Airline Hwy	03/24/56	15684	Steel	Gas
Crystal Service Station LC295	8383 Airline Hwy	04/28/80	8000	Steel	Gas
Crystal Service Station LC295	8383 Airline Hwy	04/28/80	6000	Steel	Gas
Crystal Service Station LC295	8383 Airline Hwy	04/28/80	5000	Steel	Gas
Crystal Service Station LC51	8144 Florida Blvd	04/28/78	12000	Steel	Gas
Crystal Service Station LC51	8144 Florida Blvd	04/28/78	12000	Steel	Gas
Cracker Barrel Stores, #22	2275 O'Neal Lane	01/18/82	9994	Steel	Gas
Cracker Barrel Stores, #22	2275 O'Neal Lane	01/18/82	8020	Steel	Gas
Cracker Barrel Stores, #22	2275 O'Neal Lane	01/18/82	8020	Steel	Gas
Cracker Barrel Stores, #31	9530 Hooper Rd	01/19/87	9728	Fiberglass	Gas
Cracker Barrel Stores, #31	9530 Hooper Rd	01/19/87	9728	Fiberglass	Gas
Cracker Barrel Stores, #31	9530 Hooper Rd	01/19/87	9728	Fiberglass	Gas
Cracker Barrel Stores, #31	9530 Hooper Rd	01/19/87	5929	Fiberglass	Diesel
Cracker Barrel Stores, #34	9958 Burbank Dr	05/01/84	8000	Fiberglass	Gas
Cracker Barrel Stores, #34	9958 Burbank Dr	05/01/84	8000	Fiberglass	Gas
Cracker Barrel Stores, #34	9958 Burbank Dr	05/01/84	4000	Fiberglass	Diesel
Cracker Barrel Stores, #34	9958 Burbank Dr	05/01/84	8000	Fiberglass	Gas
Cracker Barrel Stores, #35	8100 Perkins Rd	05/01/85	8000	Fiberglass	Gas
Cracker Barrel Stores, #35	8100 Perkins Rd	05/01/85	8000	Fiberglass	Gas
Cracker Barrel Stores, #35	8100 Perkins Rd	05/01/85	8000	Fiberglass	Gas
Cleve Willet Tires	8091 Tom Dr	Unknown	0	Steel	Empty
Cleve Willet Tires	8091 Tom Dr	Unknown	0	Steel	Gas
† <sup>28</sup> Gulf Oil Corp	10097 Florida	04/28/83	10000	Fiberglass	Gas
† <sup>28</sup> Gulf Oil Corp	10097 Florida	04/28/83	10000	Fiberglass	Gas
† <sup>28</sup> Gulf Oil Corp	10097 Florida	04/28/83	10000	Fiberglass	Diesel
† <sup>28</sup> Gulf Oil Corp	10097 Florida	04/28/83	10000	Fiberglass	Gas
Chevron Gulf #0169734	12924 Coursey Blvd	10/26/87	9728	Fiberglass	Gas
Chevron Gulf #0169734	12924 Coursey Blvd	10/26/87	9728	Fiberglass	Gas
Chevron Gulf #0169734	12924 Coursey Blvd	10/26/87	9728	Fiberglass	Gas
Gulf Oil Corp	7133 Siegen Lane	04/28/81	10000	Fiberglass	Diesel
Gulf Oil Corp	7133 Siegen Lane	04/28/77	10000	Fiberglass	Gas
Gulf Oil Corp	7133 Siegen Lane	04/28/77	12000	Fiberglass	Gas
Gulf Oil Corp	7133 Siegen Lane	04/28/77	12000	Fiberglass	Gas
† <sup>27</sup> Gulf Oil Corp	7808 Bluebonnet	12/13/87	9728	Fiberglass	Gas
† <sup>27</sup> Gulf Oil Corp	7808 Bluebonnet	12/13/87	9728	Fiberglass	Gas
† <sup>27</sup> Gulf Oil Corp	7808 Bluebonnet	12/13/87	9728	Fiberglass	Gas
† <sup>14</sup> Chevron Station #0159686	14343 Greenwell Spr	04/28/80	10000	Fiberglass	Diesel
† <sup>14</sup> Chevron Station #0159686	14343 Greenwell Spr	04/28/80	10000	Fiberglass	Gas
† <sup>14</sup> Chevron Station #0159686	14343 Greenwell Spr	04/28/80	10000	Fiberglass	Gas
† <sup>14</sup> Chevron Station #0159686	14343 Greenwell Spr	04/28/80	10000	Fiberglass	Gas
† <sup>29</sup> Gulf Oil Corp	7510 Florida	08/14/89	9728	Fiberglass	Gas
† <sup>29</sup> Gulf Oil Corp	7510 Florida	08/14/89	9728	Fiberglass	Gas
† <sup>29</sup> Gulf Oil Corp	7510 Florida	08/14/89	9728	Fiberglass	Gas

TABLE 8 (CONTINUED)  
ACTIVE UNDERGROUND STORAGE TANKS

FACILITY	LOCATION	DATE INSTALLED	CAPACITY (gal)	TYPE	CONT
Circle K #3797	13289 Old Hammond	06/02/85	10000	Fiberglas	Gas
Circle K #3797	13289 Old Hammond	06/02/85	10000	Fiberglas	Gas
Circle K #3797	13289 Old Hammond	06/02/85	10000	Fiberglas	Gas
Circle K #8067	2424 O'Neal Lane	02/18/77	9994	Steel	Gas
Circle K #8067	2424 O'Neal Lane	02/18/77	9994	Steel	Gas
Circle K #8079	850 Gardere Lane	02/18/83	9728	Fiberglas	Gas
Circle K #8079	850 Gardere Lane	02/18/83	9728	Fiberglas	Gas
Circle K #8079	850 Gardere Lane	02/18/83	9728	Fiberglas	Gas
Circle K Store 1905	SWE Airline/Goodwd	01/29/86	10000	Fiberglas	Gas
Circle K Store 1905	SWE Airline/Goodwd	01/29/86	10000	Fiberglas	Gas
Circle K Store 1905	SWE Airline/Goodwd	01/29/86	10000	Fiberglas	Gas
Circle K #8053	12100 Old Hammond	02/18/64	8016	Steel	Gas
Circle K #8053	12100 Old Hammond	02/18/64	8016	Steel	Gas
Circle K #8035	7275 Highland Rd	02/18/73	10000	Steel	Gas
Circle K #8035	7275 Highland Rd	02/18/73	10000	Steel	Gas
7-Eleven 2725-15208	4435 Perkins Rd	02/18/64	8020	Steel	Gas
7-Eleven 2725-15208	4435 Perkins Rd	02/18/64	8020	Steel	Gas
Circle K #8064	4323 Burbank	02/18/76	9994	Steel	Gas
Circle K #8064	4323 Burbank	02/18/76	9994	Steel	Gas
Circle K #8064	4323 Burbank	02/18/76	9994	Steel	Gas
Circle K #8048	2147 Staring Lane	02/18/64	8020	Steel	Gas
Circle K #8048	2147 Staring Lane	02/18/64	8020	Steel	Gas
Circle K #8048	2147 Staring Lane	02/18/80	9994	Steel	Gas
Circle K #8046	4415 Floynd	02/18/64	8020	Steel	Gas
Circle K #8046	4415 Floynd	02/18/64	8020	Steel	Gas
Circle K 8040	8731 Jefferson Hwy	02/18/64	6015	Steel	Gas
Circle K 8040	8731 Jefferson Hwy	02/18/64	6015	Steel	Gas
Circle K 8040	8731 Jefferson Hwy	02/18/64	6015	Steel	Gas
Circle K #8060	2180 N Lobdell Ave	02/18/80	9994	Steel	Gas
Circle K #8060	2180 N Lobdell Ave	02/18/73	8020	Steel	Gas
Circle K #8060	2180 N Lobdell Ave	02/18/73	8020	Steel	Gas
Circle K #8063	2564 N Sherwood For	02/18/75	8020	Steel	Gas
Circle K #8063	2564 N Sherwood For	02/18/75	8020	Steel	Gas
Circle K #8042	1150 S Acadian Thr	02/18/64	8020	Steel	Gas
Circle K #8042	1150 S Acadian Thr	02/18/64	8020	Steel	Gas
Circle K #8043	12567 Florida Blvd	02/18/70	8020	Steel	Gas
Circle K #8043	12567 Florida Blvd	02/18/80	9994	Steel	Gas
Circle K #8043	12567 Florida Blvd	02/18/70	8020	Steel	Gas
Circle K #4652	132 Lee Dr	04/17/79	10000	Steel	Gas
Circle K #4652	132 Lee Dr	04/17/79	10000	Steel	Gas
Circle K #1816	300 Lee Dr	07/21/85	10000	Fiberglas	Gas
Circle K #1816	300 Lee Dr	07/21/85	10000	Fiberglas	Gas
Circle K #1816	300 Lee Dr	07/21/85	10000	Fiberglas	Gas

TABLE 8 (CONTINUED)  
ACTIVE UNDERGROUND STORAGE TANKS

FACILITY	LOCATION	DATE INSTALLED	CAPACITY (gal)	TYPE	CONT
Circle K #4207	2980 O'Neal Lane	04/17/85	10000	Fiberglass	Gas
Circle K #4207	2980 O'Neal Lane	04/17/85	10000	Fiberglass	Gas
Circle K #4207	2980 O'Neal Lane	04/17/85	10000	Fiberglass	Gas
Circle K #4672	12532 S Harrels Ferry	04/17/79	10000	Steel	Gas
Circle K #4672	12532 S Harrels Ferry	04/17/79	10000	Steel	Gas
Circle K #1701	13686 Coursey Blvd	04/17/85	10000	Steel	Gas
Circle K #1701	13686 Coursey Blvd	04/17/85	10000	Steel	Gas
Circle K #1701	13686 Coursey Blvd	04/17/85	10000	Steel	Gas
Circle K #4302	10221 Coursey Blvd	04/17/85	10000	Fiberglass	Gas
Circle K #4302	10221 Coursey Blvd	04/17/85	10000	Fiberglass	Gas
Circle K #4302	10221 Coursey Blvd	04/17/85	10000	Fiberglass	Gas
Circle K #3771	2012 N Harco	04/23/76	8000	Steel	Gas
Circle K #3771	2012 N Harco	04/23/76	8000	Steel	Gas
† <sup>17</sup> Circle K #4737	12891 Coursey Blvd	04/17/80	10000	Steel	Gas
† <sup>17</sup> Circle K #4737	12891 Coursey Blvd	04/17/80	10000	Steel	Gas
† <sup>17</sup> Circle K #4737	12891 Coursey Blvd	Unknown	10000	Fiberglass	Gas
Morning Advocate Production	6700 Bluebonnet Rd	05/06/82	8000	Fiberglass	Diesel
Morning Advocate Production	6700 Bluebonnet Rd	05/06/82	2000	Fiberglass	Gas
Morning Advocate Production	6700 Bluebonnet Rd	05/06/82	8000	Fiberglass	Gas
Brown's Velvet Dairy Products	8545 Harry Dr	04/29/66	2000	Steel	Gas
Brown's Velvet Dairy Products	8545 Harry Dr	04/29/66	1000	Steel	Gas
South Central - Btrglasw	365 Flannery Rd	12/16/71	2000	Fiberglass	Diesel
Real Estate Mang/Auto Btrglald	960 W Lee Dr	1981	4000	Fiberglass	Gas
South Central - Btrglasw	566 Lobdell Ave	Unknown	4000	Steel	Diesel
American Rent-All	10567 Florida Blvd	Unknown	3000	Steel	Unknown
American Rent-All	10567 Florida Blvd	Unknown	3000	Steel	Empty
Leo & Son Auto Repair	2810 Mission	Unknown	1000	Steel	Gas
Leo & Son Auto Repair	2810 Mission	Unknown	1000	Steel	Gas
Baton Rouge Oil Company	8150 S Choctaw Dr	Unknown	15000	Steel	Unknown
Baton Rouge Oil Company	8150 S Choctaw Dr	Unknown	15000	Steel	Unknown
Baton Rouge Oil Company	8150 S Choctaw Dr	Unknown	15000	Steel	Unknown
Baton Rouge Oil Company	8150 S Choctaw Dr	Unknown	15000	Steel	Diesel
Baton Rouge Oil Company	8150 S Choctaw Dr	Unknown	8000	Steel	Kerosene
Baton Rouge Oil Company	8150 S Choctaw Dr	Unknown	8000	Steel	Varsol
Airline Food Mart	7980 Airline Hwy	9/86	10000	Fiberglass	Gas
Airline Food Mart	7980 Airline Hwy	9/86	8000	Fiberglass	Gas
Airline Food Mart	7980 Airline Hwy	9/86	12000	Fiberglass	Gas
Baker's Texaco	4857 Gus Young Ave	05/05/52	3000	Steel	Unknown
Baker's Texaco	4857 Gus Young Ave	05/05/65	6000	Steel	Gas
Baker's Texaco	4857 Gus Young Ave	05/05/65	6000	Steel	Gas
Baker's Texaco	4857 Gus Young Ave	05/05/71	4000	Concrete	Gas
Associated Grocers, Inc	8686 Anselmo Lane	05/92	10000	Steel	Gas
Associated Grocers, Inc	8686 Anselmo Lane	05/92	10000	Unknown	Diesel

TABLE 8 (CONTINUED)  
ACTIVE UNDERGROUND STORAGE TANKS

FACILITY	LOCATION	DATE INSTALLED	CAPACITY (gal)	TYPE	CONT
Anderson Dunham, Inc	8327 Sullivan Rd	04/05/61	3000	Steel	Gas
Anderson Dunham, Inc	8327 Sullivan Rd	04/05/56	2000	Steel	Diesel
Allied Corp, BRSW	Unknown	03/12/75	3000	Steel	Diesel
Allied Corp, BRSW	Unknown	03/12/75	1500	Steel	Diesel
Allied Corp, BRSW	Unknown	03/12/75	1000	Steel	Gas
Aleamar Corporation	14312 Silverthorn Ave	05/01/84	8000	Unknown	Gas
LA 3608	550 Lobdell	05/14/85	3500	Steel	Diesel
AAA Cooper Transportation	8728 Kiowa Ave	10/90	10000	Unknown	Diesel
D&E Grocery	13921 Joor Rd	05/01/83	3000	Steel	Gas
D&E Grocery	13921 Joor Rd	05/01/83	3000	Steel	Gas
D&E Grocery	13921 Joor Rd	05/01/83	6000	Steel	Gas
Jones Trucklines, Inc	9762 S Perdue Ave	05/01/74	10000	Steel	Diesel
Jones Trucklines, Inc	9762 S Perdue Ave	05/01/74	10000	Steel	Diesel
Walmart Store #839	8598 Cortana Mall	11/01/85	550	Fiberglas	Unknown
Walmart Store #1206	3535 Perkins Rd	04/01/88	550	Fiberglas	Unknown
Asphalt Plant #3	5253 Mancuso Lane	Unknown	13000	Steel	Diesel
Sherwood Forest Country Club	1655 Sherwood Forest	Unknown	1000	Unknown	Gas
Speedee Oil Change & Tune-Up	10300 Florida Blvd	04/28/84	1000	Fiberglas	Unknown
Speedee Oil Change & Tune-Up	10300 Florida Blvd	04/28/84	4000	Fiberglas	Lube Oil
Speedee Oil Change & Tune-Up	10300 Florida Blvd	04/28/84	4000	Fiberglas	Lube Oil
Speedee Oil Change & Tune-Up	10300 Florida Blvd	04/28/84	4000	Fiberglas	Lube Oil
Anco Insulations, Inc	1896 Wooddale Blvd	Unknown	3000	Steel	Gas
Pennington Biomedical Research	6400 Perkins Rd	Unknown	4000	Steel	Diesel
Baton Rouge Lumber Co, Inc	8675 S Choctaw Dr	Unknown	10000	Steel	Gas
Coleman Oldsmobile	9150 Airline Hwy	05/08/76	3000	Steel	Gas
Coleman Oldsmobile	9150 Airline Hwy	Unknown	1000	Steel	Unknown
Phillips 66 Company #022251	10808 Florida Ave	04/03/65	6000	Steel	Empty
Phillips 66 Company #022251	10808 Florida Ave	04/03/65	560	Steel	Empty
Phillips 66 Company #022251	10808 Florida Ave	04/03/65	6000	Steel	Empty
Phillips 66 Company #022251	10808 Florida Ave	04/03/74	8000	Steel	Empty
J Manoco, Inc	303 Perkins Rd	07/19/79	4000	Steel	Gas
J Manoco, Inc	303 Perkins Rd	07/19/79	6000	Steel	Gas
J Manoco, Inc	303 Perkins Rd	07/19/79	3000	Steel	Gas
Ryder Truck Rental, Inc	10424 Airline Hwy	11/13/89	2500	Fiberglas	Unknown
Ryder Truck Rental, Inc	10424 Airline Hwy	11/13/89	6000	Fiberglas	New Oil
Ryder Truck Rental, Inc	10424 Airline Hwy	11/13/89	12000	Fiberglas	Gas
Ryder Truck Rental, Inc	10424 Airline Hwy	11/13/89	12000	Fiberglas	Diesel
Ryder Truck Rental, Inc	10424 Airline Hwy	11/13/89	12000	Fiberglas	Diesel
D L Bacon	3192 S Acadian	08/05/75	4000	Steel	Gas
D L Bacon	3192 S Acadian	08/05/70	8000	Steel	Gas
D L Bacon	3192 S Acadian	08/05/70	10000	Steel	Gas
D L Bacon	3192 S Acadian	08/05/70	550	Steel	Unknown
Maison Blanche	9701 Cortana Pl	1977	1000	Fiberglas	Unknown

TABLE 8 (CONTINUED)  
ACTIVE UNDERGROUND STORAGE TANKS

FACILITY	LOCATION	DATE INSTALLED	CAPACITY (gal)	TYPE	CONT
LA Training Institute	PO Box 97527	10/08/59	1500	Unknown	Gas
City of Baton Rouge	2931 Valley St	01/27/86	10000	Fiberglas	Gas
City of Baton Rouge	2931 Valley St	01/27/86	10000	Fiberglas	Gas
City of Baton Rouge	2931 Valley St	01/27/86	10000	Fiberglas	Diesel
City of Baton Rouge	2931 Valley St	01/27/86	6000	Fiberglas	Water
Firestone Store #44F5/016519	9801 1/2 Cortana Mall	03/24/76	500	Steel	Unknown
Our Lady / Lake Reg Med Ctr	5000 Hennessey Blvd	08/07/77	10000	Steel	Diesel
Ben Hur Biological Research	Ben Hur Farm	10/29/81	3000	Steel	Diesel
Pearce & LeBlanc, Inc	11965 N Harrells Fer	07/21/83	8000	Steel	Gas
Pearce & LeBlanc, Inc	11965 N Harrells Fer	07/21/83	2000	Steel	Diesel
Pearce & LeBlanc, Inc	11965 N Harrells Fer	07/21/72	6000	Steel	Diesel
Pearce & LeBlanc, Inc	11965 N Harrells Fer	07/21/72	8000	Steel	Diesel
Cotherns Tire Inc	12868 Blackwater Rd	06/13/87	6000	Steel	Gas
Cotherns Tire Inc	12868 Blackwater Rd	06/13/87	6000	Steel	Gas
Cotherns Tire Inc	12868 Blackwater Rd	06/13/87	6000	Steel	Gas
Louisiana Concrete Products	4747 Choctaw Dr	05/02/83	2000	Steel	Gas
Louisiana Concrete Products	16255 Perkins Rd	05/02/85	1000	Steel	Gas
Wells Fargo Armored Service	6729 Cezanne Ave	04/21/79	5000	Unknown	Diesel
† <sup>20</sup> Daniell Battery Mfg Co Inc	11150 S Choctaw Dr	01/27/80	7500	Fiberglas	Diesel
U-Haul International Inc	13151 Florida Blvd	08/31/79	10000	Steel	Gas
U-Haul International Inc	13151 Florida Blvd	08/31/81	10000	Steel	Gas
U-Haul International Inc	13151 Florida Blvd	08/31/84	500	Steel	Gas
Texaco	3536 Drusilla Lane	03/25/85	10000	Fiberglas	Gas
Texaco	3536 Drusilla Lane	03/25/85	10000	Fiberglas	Gas
Texaco	3536 Drusilla Lane	03/25/85	10000	Fiberglas	Gas
Texaco	3536 Drusilla Lane	03/25/85	10000	Fiberglas	Diesel
† <sup>45</sup> Texaco	2205 Sherwood Forest	03/25/83	10000	Fiberglas	Gas
† <sup>45</sup> Texaco	2205 Sherwood Forest	03/25/83	10000	Fiberglas	Gas
† <sup>45</sup> Texaco	2205 Sherwood Forest	03/25/83	10000	Fiberglas	Gas
† <sup>45</sup> Texaco	2205 Sherwood Forest	03/25/83	10000	Fiberglas	Diesel
Texaco	3375 Perkins Rd	03/25/84	12000	Fiberglas	Gas
Texaco	3375 Perkins Rd	03/25/84	10000	Fiberglas	Gas
Texaco	3375 Perkins Rd	03/25/84	10000	Fiberglas	Gas
Texaco	3375 Perkins Rd	03/25/84	10000	Fiberglas	Diesel
Texaco	2060 O'Neal Lane	03/25/84	12000	Fiberglas	Gas
Texaco	2060 O'Neal Lane	03/25/84	10000	Fiberglas	Gas
Texaco	2060 O'Neal Lane	03/25/84	10000	Fiberglas	Gas
Texaco	2060 O'Neal Lane	03/25/84	10000	Fiberglas	Diesel
† <sup>44</sup> Star Enterprises Texaco	1831 Staring Lane	03/25/84	10000	Fiberglas	Gas
† <sup>44</sup> Star Enterprises Texaco	1831 Staring Lane	03/25/84	10000	Fiberglas	Gas
† <sup>44</sup> Star Enterprises Texaco	1831 Staring Lane	03/25/84	10000	Fiberglas	Diesel
† <sup>44</sup> Star Enterprises Texaco	1831 Staring Lane	03/25/84	12000	Fiberglas	Gas
Texaco	5377 Highland Rd	10/86	10000	Fiberglas	Gas



TABLE 8 (CONTINUED)  
ACTIVE UNDERGROUND STORAGE TANKS

FACILITY	LOCATION	DATE INSTALLED	CAPACITY (gal)	TYPE	CONT
Texaco	5377 Highland Rd	10/86	10000	Fiberglas	Gas
Texaco	5377 Highland Rd	10/86	10000	Fiberglas	Gas
Texaco	5377 Highland Rd	10/86	10000	Fiberglas	Diesel
Texaco Food Mart	3444 Sherwood Forest	02/15/90	10000	Fiberglas	Diesel
Texaco Food Mart	3444 Sherwood Forest	02/15/90	10000	Fiberglas	Gas
Texaco Food Mart	3444 Sherwood Forest	02/15/90	10000	Fiberglas	Gas
Texaco Food Mart	3444 Sherwood Forest	02/15/90	10000	Fiberglas	Gas
Norwel Equipment Company	10110 Daradale	Unknown	1426	Concrete	Water
Norwel Equipment Company	10110 Daradale	Unknown	300	Concrete	Water
Acadian Chevron #109885	2313 S Acadian Thru	Unknown	8000	Steel	Gas
Acadian Chevron #109885	2313 S Acadian Thru	Unknown	8000	Steel	Gas
Acadian Chevron #109885	2313 S Acadian Thru	Unknown	4000	Steel	Diesel
Acadian Chevron #109885	2313 S Acadian Thru	Unknown	1000	Steel	Unknown
Acadian Chevron #109885	2313 S Acadian Thru	Unknown	8000	Steel	Gas
† <sup>15</sup> Chevron #10660242	1155 Flannery Rd	04/28/80	10000	Fiberglas	Diesel
† <sup>15</sup> Chevron #10660242	1155 Flannery Rd	04/28/80	10000	Fiberglas	Gas
† <sup>15</sup> Chevron #10660242	1155 Flannery Rd	04/28/80	10000	Fiberglas	Gas
† <sup>15</sup> Chevron #10660242	1155 Flannery Rd	04/28/80	10000	Fiberglas	Gas
O'Neal Chevron	2212 O'Neal Lane	04/28/80	10000	Fiberglas	Gas
O'Neal Chevron	2212 O'Neal Lane	04/28/80	10000	Fiberglas	Gas
O'Neal Chevron	2212 O'Neal Lane	04/28/80	10000	Fiberglas	Gas
Kentwood Spring Water Inc	11465 Reiger Rd	Unknown	4000	Steel	Diesel
Frito-Lay Sales Dist Center	10213 S Perdue St	02/23/80	10000	Unknown	Gas
Ed Price Material	7835 Airline Hwy	04/18/81	10000	Steel	Diesel
Ed Price Material	7835 Airline Hwy	04/18/85	3000	Steel	Gas
Woodfin Smith Pontiac, Inc	10444 Airline Hwy	05/06/56	500	Steel	Gas
Woodfin Smith Pontiac, Inc	10444 Airline Hwy	05/06/56	12000	Steel	Diesel
Diamond Mazda	10968 Airline Hwy	12/28/88	2000	Steel	Gas
Diamond Motors	12422 Florida Blvd	05/08/85	2000	Steel	Gas
† <sup>20</sup> Daniell Battery	11150 Choctaw	05/08/72	1000	Steel	Gas
† <sup>20</sup> Daniell Battery	11150 Choctaw	05/08/72	1000	Steel	Gas
Jim Best Construction Co	Greenwell Springs Rd	05/08/80	8000	Steel	Gas
Commercial Self Storage	2268 Woodale Blvd	05/08/73	6000	Steel	Gas
Commercial Self Storage	2268 Woodale Blvd	05/08/73	6000	Steel	Gas
Commercial Self Storage	2268 Woodale Blvd	05/08/83	2000	Steel	Gas
Commercial Self Storage	2268 Woodale Blvd	05/08/80	8000	Steel	Diesel
U-Haul 74750	7650 Airline Hwy	08/31/76	2000	Steel	Gas
U-Haul 74750	7650 Airline Hwy	08/31/77	3000	Steel	Gas
U-Haul 74750	7650 Airline Hwy	08/31/81	10000	Steel	Gas
U-Haul 74750	7650 Airline Hwy	08/31/84	500	Steel	Unknown
Sulli-Vend Automated Gas	4637 Florida Blvd	08/91	12000	Unknown	Gas
Sulli-Vend Automated Gas	4637 Florida Blvd	08/91	12000	Unknown	Gas
Sulli-Vend Automated Gas	4637 Florida Blvd	08/91	12000	Unknown	Gas

TABLE 8 (CONTINUED)  
ACTIVE UNDERGROUND STORAGE TANKS

FACILITY	LOCATION	DATE INSTALLED	CAPACITY (gal)	TYPE	CONT
Sulli-Vend Automated Gas	4637 Florida Blvd	08/91	12000	Unknown	Gas
Sullivan Oil Co, Inc	2773 N Flannery Rd	05/05/84	20000	Steel	Gas
Sullivan Oil Co, Inc	2773 N Flannery Rd	05/05/84	20000	Steel	Gas
Sullivan Oil Co, Inc	2773 N Flannery Rd	05/05/84	20000	Steel	Gas
Sullivan Oil Co, Inc	2773 N Flannery Rd	05/05/84	20000	Steel	Diesel
Cortez A-G Grocery	14348 Frenchtown Rd	05/05/81	8000	Steel	Gas
Cortez A-G Grocery	14348 Frenchtown Rd	05/05/81	6000	Steel	Gas
Cortez A-G Grocery	14348 Frenchtown Rd	05/05/81	6000	Steel	Gas
Cracker Barrel Store #16	9952 Sullivan Rd	05/05/76	8000	Steel	Gas
Cracker Barrel Store #16	9952 Sullivan Rd	05/05/76	6000	Steel	Gas
Cracker Barrel Store #16	9952 Sullivan Rd	05/05/76	6000	Steel	Gas
Equipment House	13316 S Choctaw	05/05/80	1000	Steel	Diesel
Gulf Valve	14045 Jefferson Hwy	05/05/80	1000	Steel	Gas
RO Nichols	Rt 2, Box 65	05/05/76	1000	Steel	Diesel
RO Nichols	Rt 2, Box 65	05/05/76	1000	Steel	Diesel
Baton Rouge Cigarette Service	6131 Renoir	05/05/83	2000	Steel	Empty
Big River Tire	9727 Sullivan Rd	05/05/81	3000	Steel	Empty
Sullivan Automated Gas	8968 S Choctaw	08/08/91	12000	Unknown	Gas
Sullivan Automated Gas	8968 S Choctaw	08/08/91	12000	Unknown	Gas
Sullivan Automated Gas	8968 S Choctaw	08/08/91	12000	Unknown	Gas
Sullivan Automated Gas	8968 S Choctaw	08/08/91	12000	Unknown	Diesel
7-Eleven 2725-18519	6251 Perkins Rd	02/18/76	8020	Steel	Gas
7-Eleven 2725-18519	6251 Perkins Rd	02/18/76	8020	Steel	Gas
Sherwood Village Shell Service	11982 Florida	04/09/70	6048	Steel	Gas
Sherwood Village Shell Service	11982 Florida	04/09/67	8020	Steel	Gas
Sherwood Village Shell Service	11982 Florida	04/09/67	4997	Steel	Gas
Sherwood Village Shell Service	11982 Florida	04/09/67	4997	Steel	Gas
Sherwood Village Shell Service	11982 Florida	04/09/67	560	Steel	Unknown
O'Neal Lane Shell	1649 O'Neal Lane	04/09/84	9728	Fiberglas	Gas
O'Neal Lane Shell	1649 O'Neal Lane	04/09/84	9728	Fiberglas	Gas
O'Neal Lane Shell	1649 O'Neal Lane	04/09/84	9728	Fiberglas	Gas
Siegen Shell Mini Mart	7089 Siegen Lane	04/09/83	9728	Fiberglas	Gas
Siegen Shell Mini Mart	7089 Siegen Lane	04/09/83	9728	Fiberglas	Gas
Siegen Shell Mini Mart	7089 Siegen Lane	04/09/83	9728	Fiberglas	Gas
Acadian Shell Service	2300 S Acadian Thwy	04/09/83	9728	Fiberglas	Gas
Acadian Shell Service	2300 S Acadian Thwy	04/09/83	9728	Fiberglas	Gas
Sam Benton's Shell Service	8065 Florida Blvd	04/09/70	6048	Steel	Gas
Sam Benton's Shell Service	8065 Florida Blvd	04/09/67	8020	Steel	Gas
Sam Benton's Shell Service	8065 Florida Blvd	04/09/67	4997	Steel	Gas
Sam Benton's Shell Service	8065 Florida Blvd	04/09/67	4997	Steel	Gas
Sam Benton's Shell Service	8065 Florida Blvd	04/09/67	560	Steel	Unknown
Airline Shell	9828 Airline Hwy	04/09/70	6016	Steel	Gas
Airline Shell	9828 Airline Hwy	04/09/68	9994	Steel	Gas

TABLE 8 (CONTINUED)  
ACTIVE UNDERGROUND STORAGE TANKS

FACILITY	LOCATION	DATE INSTALLED	CAPACITY (gal)	TYPE	CONT
Airline Shell	9828 Airline Hwy	04/09/68	8020	Steel	Gas
Kwik Shop	12181 Greenwell Spr	05/12/72	8000	Steel	Unknown
Kwik Shop	12181 Greenwell Spr	05/12/72	8000	Steel	Unknown
St James Place	333 Lee Drive	05/08/82	550	Steel	Diesel
River City Aviation Inc	8356 S Airport Dr	05/05/85	12000	Steel	Jet-A
River City Aviation Inc	8356 S Airport Dr	05/05/85	12000	Steel	Gas
† <sup>40</sup> Racetrac Service Station	6240 Bluebonnet Blvd	10/17/88	12000	Fiberglas	Gas
† <sup>40</sup> Racetrac Service Station	6240 Bluebonnet Blvd	10/17/88	12000	Fiberglas	Gas
† <sup>40</sup> Racetrac Service Station	6240 Bluebonnet Blvd	10/17/88	12000	Fiberglas	Gas
Racetrac #436	7102 Siegen Lane	10/91	12000	Unknown	Unknown
Racetrac #436	7102 Siegen Lane	10/91	12000	Unknown	Unknown
Racetrac #436	7102 Siegen Lane	10/91	12000	Unknown	Unknown
Jet 24 Food Store #35	7979 Airline Hwy	05/01/84	10000	STI-P3	Gas
Jet 24 Food Store #35	7979 Airline Hwy	05/01/84	10000	STI-P3	Gas
Jet 24 Food Store #35	7979 Airline Hwy	05/01/84	10000	STI-P3	Gas
Jet 24 Food Store #35	7979 Airline Hwy	05/01/84	10000	STI-P3	Gas
Jet 24 Florida Blvd	8144 Florida Blvd	03/11/86	8000	Steel	Gas
Jet 24 Florida Blvd	8144 Florida Blvd	03/11/86	8000	Steel	Gas
Jet 24 Florida Blvd	8144 Florida Blvd	03/11/86	8000	Steel	Gas
Triple A Cleaners	530 S Eugene	01/30/72	500	Unknown	Unknown
Meriwethers Southdowns Amoco	4485 Perkins Rd	05/13/76	6000	Steel	Gas
Meriwethers Southdowns Amoco	4485 Perkins Rd	05/13/76	6000	Steel	Gas
Meriwethers Southdowns Amoco	4485 Perkins Rd	05/13/76	6000	Steel	Gas
Meriwethers Southdowns Amoco	4485 Perkins Rd	05/13/66	560	Steel	Unknown
Meriwethers Southdowns Amoco	4485 Perkins Rd	05/13/66	4000	Steel	Diesel
Petrochem Maintenance, Inc	12187 N Harrells Fer	05/14/70	8000	Steel	Gas
Petrochem Maintenance, Inc	12187 N Harrells Fer	05/14/70	3000	Steel	Unknown
Petrochem Maintenance, Inc	12187 N Harrells Fer	05/14/77	8000	Steel	Diesel
Petrochem Maintenance, Inc	12187 N Harrells Fer	05/14/71	500	Steel	Hydraulic Oil
Petrochem Maintenance, Inc	12187 N Harrells Fer	05/14/82	280	Steel	Diesel
National Weather Service	Ryan Airport	01/30/86	550	Fiberglas	Diesel
Morning Treat Coffee Company	4535 Choctaw	Unknown	1800	Unknown	Unknown
Miller & Associates	1113 N Carrollton Av	05/07/80	2000	Unknown	Empty
Mudiea Car Care, Inc	4149 Florida St	Unknown	2000	Steel	Diesel
Mudiea Car Care, Inc	4149 Florida St	05/10/82	2000	Steel	Diesel
Mudiea Car Care, Inc	4149 Florida St	05/10/82	470	Steel	Unknown
Mudiea Car Care, Inc	4149 Florida St	Unknown	2000	Steel	Gas
Delta 3040	4719 Airline Hwy	08/28/69	12000	Steel	Gas
Delta 3040	4719 Airline Hwy	08/28/69	12000	Steel	Gas
Delta 3040	4719 Airline Hwy	08/28/76	6000	Steel	Gas
Louisiana State Police	PO Box 66614	05/05/71	10000	Steel	Unknown
Louisiana State Police	PO Box 66614	05/05/71	10000	Steel	Unknown
Louisiana State Police	PO Box 66614	05/05/71	10000	Steel	Unknown

TABLE 8 (CONTINUED)  
ACTIVE UNDERGROUND STORAGE TANKS

FACILITY	LOCATION	DATE INSTALLED	CAPACITY (gal)	TYPE	CONT
Louis Capozzoli & Assoc Inc	10555 Airline Hwy	12/01/84	3000	Steel	Gas
WVLA-TV Studios	5220 Essen Lane	05/84	1000	Fiberglass	Diesel
Webb Golf Course	1351 Country Club Dr	03/10/92	550	Fiberglass	Gas
Silvio's Restaurant and Lounge	9783 Hooper Rd	Unknown	8000	Unknown	Gas
Silvio's Restaurant and Lounge	9783 Hooper Rd	Unknown	8000	Unknown	Gas
Surgi-Center of Baton Rouge	5222 Brittany Dr	Unknown	300	Unknown	Diesel
Rollins Leasing Corp %504	8700 S Choctaw Dr	10/16/90	20000	Fiberglass	Diesel
Mike's Auto Parts	12249 Greenwell Spr	1984	6000	Unknown	Gas
Mike's Auto Parts	12249 Greenwell Spr	1984	6000	Unknown	Gas
Mike's Auto Parts	12249 Greenwell Spr	1984	6000	Unknown	Diesel
† <sup>16</sup> Essen Express	7931 One Calais Ave	04/28/79	12000	Steel	Gas
† <sup>16</sup> Essen Express	7931 One Calais Ave	04/28/79	12000	Steel	Gas
† <sup>16</sup> Essen Express	7931 One Calais Ave	04/28/79	12000	Steel	Gas
† <sup>16</sup> Essen Express	7931 One Calais Ave	04/28/79	12000	Steel	Diesel
R T C	12451 S Harrells Fer	01/74	2000	Unknown	Gas
R T C	12451 S Harrells Fer	01/74	2000	Unknown	Gas
Jiffy Lube #468	4815 Perkins Rd	05/21/81	3000	Steel	Unknown
Jiffy Lube #467	9515 Airline Hwy	05/21/83	1000	Steel	Unknown
Jiffy Lube #467	9515 Airline Hwy	Unknown	2000	Unknown	Motor Oil
Jiffy Lube #467	9515 Airline Hwy	Unknown	2000	Unknown	Motor Oil

Information contained in the USTs files are described in detail below:

†<sup>22</sup> Exxon Station 51751 13315 Old Hammond Hwy

Aug 29, 1991. Letter transmitting quarterly report. No phase separated hydrocarbons were recovered although sheen appeared in some wells. Dissolved ground water analysis indicated Total BTEX ranging from ND to 88 ppm.

Aug 20, 1991. An assessment and/or remediation is being conducted due to a leak from an UST.

June 29, 1991. Letter transmitting quarterly report. Total BTEX ND to 96 ppm. No LPH recovered.

Aug 1, 1990. Letter transmitting quarterly report. No measurable amounts of liquid phase hydrocarbons detected.

Inspection Report dated 1-8-90. Air stripper turned off and wells locked.

Feb 15, 1991. General permit to discharge treated ground water to Jones Creek.

Feb 7, 1990. Letter transmitting results of ground water discharge samples. Effluent levels of benzene, toluene and total xylenes below 100 ppb per fraction. Sept 30, 1992 Letter transmitting quarterly report. No measurable amounts of LPH.

Total liquid hydrocarbon recovery to date: 925 gallons.

†<sup>26</sup> Exxon Store #5-0550 7725 Airline Hwy (Choctaw Exxon) southeast of intersection  
Dec 28, 1990. quarterly report, Total BTEX ranged from 5159 to 81479 ppb (ug/L).

Report dated Aug 7, 1987. On Jan 30, 1987 gasoline was seeping out of concrete slab expansion joints. Leak in product line . Free product appears in monitoring wells periodically.

July 17, 1991 tank removed.

Compliance Order issued 16 July 87. Presence of gasoline in and around site. Ordered to submit corrective plan.

June 26, 1991. Quarterly report. Total BTEX concentrations ranging 5.4 ppm to 25.7, one well containing LPH sheen.

July 23, 1991. Quarterly report.

Oct 31, 1991 Subsurface Investigation completed.

†<sup>25</sup> Exxon Station 8050 8885 Highland/Staring Lane

November 1991, 550 gallon used oil tank removed. Approximately 101.51 tons soil removed and disposed of (approximately 50 cy). Contamination level: Oil and grease - 430 ppm to 540 ppm; VOH - 726 ppb to 770 ppb; TCLP - BDL. Waste was characterized as "industrial waste", site was remediated.

June 10, 1992 - Exxon Plus leak caused by gasket leak from submerged turbine pump. Odors in the sewer. Flow in the sanitary sewer is toward Staring Lane. "Substantial contamination" - Two inch layer of product was found on top of the water table in the tank field. No remediation as of September 15, 1992.

†<sup>23</sup> Exxon Service Station 4555 Essen Lane

October 8, 1987 - gasoline odors present in sanitary sewer.

December 9, 1987 - No problems can be detected coming from Exxon systems.

January 11, 1988 - DEQ accepts above results.

Stanford Exxon Store #5-1052 3191 S Acadian Thruway

December 24, 1990 - leak under dispenser of plus unleaded gasoline was released. Undetermined amount, believed to be small, impact valve was replaced.

Report from spill dated February 5, 1991. (Units not provided.)

<u>Contaminant</u>	<u>Concentration</u>	<u>Component MDL</u>
Toluene	365407	462
Ethylbenzene	53590	462
Din-Xylene	60387	462
O-Xylene	210154	462
BFB Recovery %	108	



Old system removed and new tanks installed November 7, 1991. The site was remediated. Approximately 1,400 tons of soil were removed from the site and disposed of in an approved landfill. Native soil BTEX concentration: 5.5 ug/kg to 1.0 ug/kg. Native soil TPH-G concentration: Undetectable to 0.43 mg/kg. Backfill samples BTEX concentration: 755 ug/kg. Backfill sample TPH-G concentration: 130 mg/kg.

†<sup>12</sup> Central Exxon Serv. Cen. 52176 11575 Sullivan Road (at corner of Hooper)

LA Notification form dated 11/14/88. Gasoline leak detected amount unknown, estimated to be minimal due to no inventory losses noted prior to leak discovery.

Ground water investigation was conducted on February 9, 1989. Soil analysis indicated no measurable amounts of BTEX and TPH-D. Groundwater analysis indicated total BTEX ranging from 7.479 ppm to 36.88 ppm and TPH-D ranging from below detection limits to 25 ppm. Approximately 16" free phase hydrocarbons in well A and 1" in well B.

Quarterly report dated Dec, 1990 indicates total BTEX ranging from BDL to 24,121 ppb.

Quarterly report dated Feb, 1991. Total BTEX ranged from 229 ppb to 24321 ppb.

Quarterly report dated June 26, 1991. Two additional wells were added. Total BTEX in native soil at 1.05 ppm. Total BTEX in the wells showed values of 14.6 and 54.4 ppm. No detectable hydrocarbon constituents were detected in the new wells.

Quarterly report dated Sept 3, 1991. Total BTEX in native soil wells range from ND to .258 ppm. Request a closure status be granted to this site investigation if two additional quarters show trends.

Quarterly report dated 3rd quarter, 1991 indicates ND total BTEX in all monitoring wells.

Quarterly report dated 4th Q 1991 indicates ND to 4385 ppb total BTEX.

Quarterly report dated 2nd Q 1992 indicates ND to 17700 ug/L total BTEX.

Quarterly report dated March 1, 1993. indicates range from ND to 9600 ug/l total BTEX. Exxon requests that the monitoring well which consistently showed higher levels be reclassified as release detection device because it is hydraulically connected to the tank pit.

†<sup>7</sup> Bill Moores Exxon 5-3564 9936 Airline Hwy

Nov 14, 1990. Leak at joint. Samples show less than 5 ppm total BTEX.

Nov 16, 1989 tank removal at site. In process of excavation, sidewall of tank ruptured, 660 gallons of water and oil cleaned from excavation.

†<sup>36</sup> Monterray Exxon #50628 9196 South Choctaw Drive

November 9, 1992 - 3 steel motor fuel storage tanks and one steel used oil tank removed; no liquid hydrocarbons or oil staining observed in the tank pits. BTEX concentrations in soil - 0.11 mg/kg to non detectible and TPH-G concentrations were non-detectible. Motor pit side wall samples had BTEX concentrations from non-detectable to 0.15 mg/kg and TPH-G concentrations were non-detectable. Soil samples from oil pit had non-detectable TCLP metals concentrations and contained trace amounts of volatile organic compounds. Oil and grease concentrations ranged from below quantification limits to 440 mg/kg. Hand boring from around the used oil pit contained oil and grease concentrations ranging from non-detectable to 4,200 mg/kg. An offsite sample had concentration of 150 mg/kg. Soil samples from two feet below the dispenser lines showed total BTEX concentrations from non-

detectable to 0.11 mg/kg. TPH-G concentration ranged from non-detectable to 8 mg/kg. Tanks removed and site remediated.

Environmental Assessment report for property transfer dated August 1991. "Direction of groundwater flow as observed on June 20, 1991 is generally toward the east".

†<sup>8</sup> Broadmoor Exxon 5-5737 9988 Florida Blvd and Sharp

Nov, 1990. fitting replaced, soil sampling done, analysis shows less than 5 ppm total BTEX.

An Inspection Report dated 10-22-89 indicated that gasoline was spewing out of a fill port after a failed tank tight test.

†<sup>42</sup> Speedway Unit #9059 10174 Airline Hwy

Compliance Order dated Aug 15, 1991 for not having autoline leak detectors, monitor network, automatic gauging not working. (Crack in concrete around UST pad was also noted).

June 1, 1990 Install 4 monitor wells, liquid, phase-separated hydrocarbons not detected in wells. Total dissolved BTEX concentrations in water samples obtained from wells from below detection limits to 2,179 ppb.

June 4, 1990. Tank removal report. Soil vapor survey done, soil sampling done, one tank removed had a 1/2 to 3/4 inch hole, waste oil tank had similar hole.

†<sup>28</sup> Gulf Oil Corp (10097 Florida & Sharp) now Chevron #109050

May 29, 1992. Transmittal of quarterly report, Phase separated hydrocarbons not detected. BTEX constituents ranged from 3.7 ppb to 116.3 ppb. Total BTEX was 6,310 ppb in one well. TPH concentrations ranged from 0.97 ppm to 3.0 ppm.

April 8, 1992. transmittal of quarterly report.

July 14, 1989 contamination release of 16 ppm in soil and 4615 BTEX in water, cause unknown.

Sept 18, 1991. transmittal of quarterly report, PSH not detected.

Sept 10, 1990. Total BTEX ranged from 2 to 19750 ug/L. TPH ND.

June 7, 1991. Total BTEX ranged from 25.7 to 18,300 ppb. TPH ranged from 1.1 to 6.0 ppm.

UST Phase I Assessment dated July 1989, no PSH encountered during drilling of soil borings, No detectable concentration of TPH-D. Ground water samples dissolved BTEX constituents ranging from 400 to 2000 ug/L. Report also indicates that the shallow ground water flow direction was south toward Jones Creek.

†<sup>27</sup> Gulf Oil Corp (7808 Bluebonnet) now Chevron #109045

June 9, 1992 Sampling report conclusions: "PSH has not been detected in any of the site monitor wells MW-1 through MW-5 since site monitoring began in Nov 1989." "The total BTEX concentration in monitoring wells MW-4 and MW-5 have remained below 1000 ppb since the August 12, 1991 sampling event." "The total BTEX concentrations in monitor wells MW-1 & MW-3 have remained below detection limits since the May 21, 1991 sampling event."

Oct 8, 1991. BTEX constituents detected: Soil: 1.6 - 3900 ppb. Groundwater: 35,000 ppb - 8.3 ppb.

†<sup>14</sup> Chevron #0159686 14343 Greenwell Springs Rd

June 27, 1990 - 30.7 ppm BTEX found in ground water in MW-2.

August, 1990 - Total BTEX concentrations on site ranged from 2.5 ug/L to 9,952 ug/L.

May 22, 1991 - Samples showed PSH detected at thicknesses ranging from 0.01 feet to 0.04 feet. BTEX concentration - below detectable limits to 583 ppb. TPH concentration - 0.80 ppm to 1.6 ppm.

June 16, 1992 - monitoring continuing - contamination still occurring.

No evidence of remediation.

†<sup>29</sup> Gulf Oil Corp (7510 Florida & Lobdell) now Chevron #0109051

Inspection Report dated 8/14/89. Soil sampling by G&E Engineering. Sheen on water in tank hole. 4-10,000 gallon tanks removed.

June 22, 1989. remove 4-10,000 gallon fiberglass tanks and lines, install 3-10,000 gallon double wall tanks and lines.

Feb 8, 1990 samples analyzed for BTEX concentrations. Results in micrograms per liter.

Benzene	200	480	ND
Toluene	85	35	ND
Ethylbenzene	560	530	ND
Xylene	950	1230	ND

Circle K #8064 4323 Burbank Drive

October 22, 1992 - 1.16' of free product found in MW-3. The well was bailed and another sample taken 1 hour later. Gasoline was also found in the second sample, though it was less than 1 foot.

Circle K Food Store 4515 Floyndell Street and Jefferson Highway

August 14, 1989 - gasoline found in watermain hole. A sheen of gasoline could be seen on the water surface in the hole. After bailing, no sheen was detected and odors decreased.

Apparently contamination was discovered in May of 1988 and the above incident reflected no new problems.

†<sup>17</sup> Circle K #4737 12891 Coursey Blvd. (corner of Coursey and Stumberg)

Citizen complaint form dated 6/5/86. Possible gas leak, complainant noticed a gasoline smell and film on the ditch for several months.

Citizen Complaint dated 5/6/86. Strong smell of gasoline near Creek that runs between townhomes, noticed sheen on surface water in creek.

Tank system tightness test dated 5/2/86 indicated 2 tanks with possible leaks.

UST Inspection Report indicating Release Notification Form dated June 8, 1992 gasoline pipe leaking. During the removal of concrete slab, the contractor severed the product line. Amount approx 3 gallons.

Sept 24, 1992 soil samples indicated total BTEX in samples ranging from 0.133 to 8.29 ppm and TPH-gasoline ranging 2.3 to 140 ppm.

†<sup>45</sup> Texaco 2205 Sherwood Forest

July 27, 1989 approx 3.5 gallon of product removed from a ditch located at the northeast corner of the site. Six monitoring wells to be installed.

Inspection report dated 9/28/89 indicated 6 monitoring wells installed, sheen on surface of ditch, did not appear to be from runoff, but from seepage through soil.

Inspection report dated 7/7/89 indicated a oily film in a drainage ditch at the facility. Product appears to be leaching through the soil. Ditch borders N Harrels Ferry Road and Sherwood Forest intersection NE.

Inspection report dated 1/23/92 indicated oil in ditch along N Harrels Ferry Rd. No keys for monitoring wells were on site and no tightness test records were available.

Notification of Unauthorized Discharges dated 3/6/92 indicated spill appears to be just on concrete but is flowing down their drain. (diesel fuel)

January 19, 1992 after a period of heavy rains, diesel fuel was reported seeping onto the pavement from the tank pit area and an oily sheen was observed in the ditch north of the site. 2000 gallons of liquid was pumped from tank pit. 50 gallons of liquid pumped from ditch. Additional tank pumpings totaling 6950 were conducted on Jan 29 and 30th.

Quarterly Report Oct-Dec 92. Quarterly reports were conducted from 1989 to 1992. Total BTEX ug/L ranged from ND to 448,130 over this time frame for 11 monitoring wells. TPH -G ranged from ND to 76 mg/L on 4/30/92 analysis. TPH-D was non-detected on 4/30/92 and 7/17/92 in 11 monitoring wells.

Phase II investigation dated March 1991. Installation of two additional wells.

†<sup>44</sup> Star Enterprises (Texaco) 1831 Staring

August 1990 - Tanks removed - 1 at 12,000 gallons, 3 at 10,000 gallons.

November 19, 1990 - Closure accepted.

December 5, 1990 - BTEX contamination detected (15,720 ppb).

April, 1992 - Monitoring continued - BTEX levels below 100 kg/L. Station is inactive.

November 6, 1992 - DEQ says No Further Action required.

December 22, 1992 - Monitoring well plugged and abandoned.

Chevron #109885 2313 South Acadian Thruway

February 15, 1989 - Three inches of product found in monitoring well - well bailed, product did not reappear.

March, 1988 - BTEX concentration in soil - below detectable limits to 1200 ppm. Ground water flow is to the west (Toward Dawson Creek). Soil being vented.

February 10, 1989 - 0.24 feet PSH detected in monitoring well - well bailed, product did not reappear.

August 7, 1989 - Soil ventilation stopped May 1989 when air discharge permit expired. Soil and ground water samples being analyzed.

November 20, 1989 - Tank did not pass petro - tite test.



December 1, 1989 - Scheduled to resume soil ventilation. BTEX concentration: 75 ppb to 27,000 ppb; TPH concentrations: 3 ppm to 10 ppm.

January 12, 1990 - Tank failed - ruptured during tightness test. 4,600 gallons regular unleaded gasoline leak. Vacuum truck pumped out 4 truck loads of water and product. Product in monitoring wells ranged from 0.16 inches to 0.63 inches.

January 23, 1990 - Four tanks removed.

March 5, 1990 - New system placement in progress.

May 2, 1990 - New system complete.

July 10, 1990 - DEQ requested Corrective Action Plan

August 16, 1990 - picture shows approximately 7 inches PSH in baler. Approximately 1 foot gasoline found in release detection device (RDD). Some RDD's were faulty. RDD pumped.

June 14, 1991 - Inspection to response that fillports were left uncovered - three of four ports were uncovered. The diesel tank had approximately three inches water in it (Four tanks total). Owner said Keller Oil had been there and had pumped water out of the three tanks. He said he would pump water out of the diesel tank. Approximately 2 inches gasoline in monitoring well.

August 5, 1991 - Report indicates: PSH - none detected (July 16, 1991 sampling event); BTEX - 23.4 ppb to 43,600 ppb; TPH - 0.32 ppm to 21 ppm, showing a general increase over time.

†<sup>15</sup> Chevron Station #10660242 1155 Flannery Rd

May 2, 1990 transmittal of quarterly report. Three of four monitor wells were below detection limits for total BTEX and 20 ppb.

Jan 3, 1990. Assessment conducted in anticipation of property transfer. Soil analysis indicated no BTEX or TPH detected. Water indicated dissolved hydrocarbons detected, total BTEX levels ranging from below detection limits to 883 ppb. TPH was not detected in any water samples.

†<sup>40</sup> Racetrac Service Station #373 6240 Bluebonnet Blvd

August 9, 1991 - Leak discovered, estimated release in excess of 25 gallons.

August 12, 1992 - DEQ investigated and confirmed above. Product is being recovered. Leak detector alarm activated and free product was found in submerged pump.

August 15, 1991 - Letter via overnite express from Racetrac to DEQ, with attached required seven day discharge notification form. They state that they are still awaiting the list of state approved contractors from DEQ's office to begin site assessment. The product released was regular gasohol.

September 4, 1991 - Twenty day followup report states that leak occurred in the product line at a point where it entered the manway for the submergible pump. The line was repaired and tested for tightness before it was put back in service. Approximately eight cubic yards of contaminated soil was generated by the repairs. The soil was removed and placed on plastic and covered by plastic to await disposal.

December 20, 1991 - Site Assessment Report - Groundwater flow is generally to the northwest. An artificial ground water high occurs around the tanks due to water entrapment



by the highly permeable fill surrounded by the less permeable native soil. This causes localized radial ground water flow. Four monitoring wells were installed onsite November 6, 1991. Four wells registered as monitor wells are located within the one mile square surrounding the site. Phase-separated hydrocarbons were not detected in any of the monitor wells, but were detected in the existing release detection devices (RDD) located in the confines of the tank pad. Thickness ranged from 0.01 foot to 0.05 foot. BTEX concentrations were detected in the monitor wells onsite ranging from below detection limits to 33,000 ug/L. Benzene concentrations ranged from below detectable limits to 11,000 ug/L. TPH-G concentrations ranged from 0.4 mg/L to 110 mg/L.

February 12, 1992 - Correspondence to DEQ indicating that contamination is localized and minimal and proposing corrective action methodology.

February 14, 1992 - letter from DEQ requesting an additional monitoring well be installed.

October 20, 1992 - letter to DEQ confirming new monitoring well installation. No detectable BTEX concentrations were found in this new well.

December, 1992 - Monitoring continues - BTEX found ranging from below detectable limits to 1900 ug/L.

Department of Transportation & Dev 5080 Florida Blvd.

Certified mail stub received 10/31/89. Nothing else in file.

†<sup>35</sup> DOTD District 61 8100 Airline Hwy

UST Closure Notification Form dated March 25, 1991. Permanently close 7 tanks on April 15, 1991.

Crossroads Exxon 5-7939 9725 Airline Hwy

Feb 15, 91. Storage tank lines were precision tested.

Kmart #3119 12444 Florida St.

UST Closure Notification Form dated 12-8-92.

Inspection Report dated 8-31-90. Inlet pipe with rain water entering tank. UST had no obvious signs of corrosive holes.

Inspection Report dated 7-20-90. 1000 gallon waste oil tank was pumped of its contents. Ground water seeped in, filling tank. UST is scheduled to be replaced with AST.

UST Closure Notification Form dated 8-20-90, waste oil.

Hertz Equipment Rental 8080 Airline Hwy

UST Closure Notification Form dated 8-9-90.

UST Removal Information dated 7-9-90. June 7, 1990 soil samples analyzed for TPH/Diesel and BTEX, benzene (<0.1 and .22 mg/kg), toluene (<0.1 and .146 mg/kg), ethyl benzene (both <0.1 mg/kg), xylene (both <0.1 mg/kg). TPH/Diesel 9.5 and 59.5 mg/kg.

Feb 2, 1988 abandoned in place, testing done.

Two 2000 gallon USTs removed, one 8000 gallon installed.

Hammond Aire Auto Spa 9614 Airline Hwy  
No enforcement actions.

Ryder Truck Rental, Inc. (10424 Airline Hwy)

Memo dated 5-4-89 stating that Ryder Truck Line will remove 3-550 gallon UST on 6-5-89.

Diamond Mazda 10968 Airline Hwy  
No enforcement action taken.

Silvios Restaurant 9783 Hooper Rd

UST Closure Notification Form dated Feb 5, 1992. 2 tanks to be removed Feb 9, 1992.

Exxon Station 51162 2020 O'Neal Lane

February 8, 1989 - waste oil release was discovered in drainage ditch adjacent to the station. The waste oil & contaminated soils were removed. Samples were taken and analysis performed to verify that the site was properly remediated.

July 11, 1990 - A 55 gallon diesel drum ruptured while a customer was filling it in the back of his truck. Approximately 40 gallons of diesel fuel leaked onto the concrete. Absorbent material was utilized by Exxon personnel to soak up free product on the driveway. The absorbent material was then contained in drums and sampled to determine appropriate disposal requirements. No further action planned.

October, 1990 - Approximately 2 gallons of gasoline spilled onto the pavement from a dispenser line leak. No further action planned.

September 30, 1992 - 5 fiberglass USTs removed - 2-8,000; 1-10,000; 1-12,000; and 1-1,000 gallon capacity fiberglass tanks were removed, crushed onsite and disposed of. No odors were detected. Samples were taken. The tanks were removed in anticipation of the impending relocation of the tank pad due to the upcoming highway construction. Request for removal dated September 1, 1992. Removal performed September 30, 1992.

September 1, 1992 - Request made for installation of 1-6,000; 1-10,000; and 2-12,000 gallon double wall fiberglass USTs.

Circle K #8079 850 Gardere Lane

March 11, 1992 - letter from Circle K to DEQ stating that they had filed for Chapter 11 bankruptcy. Apparently remediation of some sort was in progress.

March 18, 1992 - letter from Circle K to DEQ stating that The Southland Corporation may have been the owner of the property prior to Circle K's occupation of the premises and therefore, they may be responsible for the "maintenance and/or environmental remediation associated therewith".

Associated Grocers 8686 Anselmo Lane

May 20, 1992 - 2-10,000 gallon Total Containment Tanks installed. The system consists of 2 monitoring wells, in tank gauging system, and automatic line leak detection. The piping

will be of fiberglass material. The backfill material used was pea-gravel. The excavation hole was lined to prevent any native soil from mixing with the pea gravel.

October 9, 1992 - notification of removal of three tanks.

October 19, 1992 - Three USTs removed. "The tanks were purged and cleaned out, Jackson Waste Oil was on site to pump sludge and water out of the tanks. The samples were taken two feet beneath the tanks at both ends. The soils that were removed will be placed on visquene on the property to aerate. Fresh fill material will be placed into the excavation hole. The tanks were labelled and sent to a disposal facility.

Kentwood Spring Water 11465 Reiger Rd

March 10, 1992 - Notification and upgrade of one UST - spill and overfill prevention to be installed. The release detection method to be employed is Tank Monitor Inventory Console.

Star Enterprises (Texaco) 2060 O'Neal Lane

October 14, 1991 - notification the four tanks are to be upgraded. Spill and overfill prevention equipment is to be installed as well as a horn and alarm system.

Star Enterprises (Texaco) 4324 South Sherwood Forest Blvd

- March 27, 1990 - permission given to pump water from a manhole out onto the ground. Permission was granted since the station was new with no history of contamination and there was no evidence of gasoline in the hole.

O'Neal Chevron 2212 O'Neal Lane

August 17, 1990 - Petroleum hydrocarbon leak; unknown quantity; highest concentration BTEX is 18,800 ppb.

April 17, 1992 - Letter from Chevron to DEQ along with second quarter sampling results. "This site continues to show decreasing amounts of dissolved levels. The highest levels are now only 2,884 ppb". They requested No Further Action status for the site.

May 19, 1992 - DEQ grants No Further Action status for the site.

June 2, 1992 - letter from DEQ denying Chevrons request for Motor Fuels Reimbursement based on the appearance "that the work performed at the site was for property transfer and does not qualify for reimbursement". They said that "No incident was reported at this site, therefore we are unable to consider these costs for reimbursement at this time."

June 17, 1992 - letter from Chevron to DEQ requesting reconsideration of the site for reimbursement along with copies of correspondence regarding incident.

Frito Lay, Inc. Sales Distribution Center 10213 S Purdue

September 14, 1992 - notification of tank closure. One tank to be removed.

Webb Golf Course 1351 Country Club Drive

January 27, 1992 - notification of tank installation, 1-550 gallon fiberglass with suction type delivery piping to be installed, and inventory control and observation well as methods form release detection.

Exxon 5857 Essen Lane No violations.

Baton Rouge Lumber Company 8675 South Choctaw

No contamination as of July 25, 1990, therefore participation in LA Motor Fuel Trust Fund.

Allied Signal Inc/ Southworks

No enforcement actions as of August 15, 1990.

Circle K #8042 1150 Acadian Thruway

No violations, two tanks upgraded October 8, 1991.

Racetrac Petroleum Inc 7102 Siegen Lane

October 10, 1991 - Installation/Renovation form filled out for three - 12,000 gallon double wall - external jacket system tanks (Total containment). Release detection: Ground monitoring, automatic in tank monitoring and inventory control, line leak detectors interstitial monitoring for double wall UST.

October 22 through 23, 1991 - Tanks installed.

October 28, 1991 - Registration forms completed and provided to installer for certification.

November, 1991 through January, 1992 - Construction delays prevent tank filling and tightness testing.

January, 1992 - Delays resolved and tanks are filled and tightness tested.

February 19, 1992 - Installer certifies tank installation and signs registration form.

March 5, 1992 - Store opens for business.

March 23, 1992 - Louisiana receives registration form from installer.

April 6, 1992 - letter from Racetrac confirming receipt of notification from DEQ that tanks were not registered within 30 days of installation with the above chronology as explanation. Apparently, DEQ also asked for evidence that the tanks had not been leaking - Only tightness testing results were included but letter states that their monitoring has revealed no evidence of leaking.

Jay's Texaco 4055 S Gus Young Ave

UST closure notification form dated June 29, 1990

Soil analysis dated February 20, 1991 testing for benzene (ppm) range <0.1, toluene (ppm) range <0.1 to 0.15, ethyl benzene (ppm) range <0.1 to 0.11, xylene (ppm) <0.1, TPH/Diesel <10 (ppm).

Floyd Fence Company 4347 Jeffrey Drive

UST Inspection Report dated 10-27-89, UST Installation 1000 gallon gasoline tank, overspill and overspill protection installed and an observation well.

AAA Cooper Transportation 8728 Kiowa Ave

Registration for 1-10,000 gallon steel diesel UST. No other information in file.

Jones Trucklines, Inc. 9762 S. Perdue Ave

Letter stating that company is bankrupt, tanks have been drained, placed out of service and put up for sale on an as is basis. The bankrupt entity has no funds to perform any tank activities.

City of Baton Rouge 2931 Valley Street

UST Closure Notification removal of tanks to be 2/9/93 (closed in place).

BTEX and TPH analysis conducted. Benzene, toluene, ethyl benzene and xylene (mg/k) all at <0.05. TPH -Gas <5.0 mg/kg, TPH-Diesel <10 mg/kg.

There are 22 daggered UST locations.

#### 5.1.2.4 Office of Water Resources.

Office of Water Resources, Ground Water Protection Division, Surveillance Section. This office maintains a listing and files for all sites in the State of Louisiana in which a ground water assessment or remediation is underway. Files for the entire parish were reviewed. The Ground Water Assessment/Remediation Site List was reviewed for locations in East Baton Rouge Parish. Fifteen sites in East Baton Rouge Parish are listed as being assessed or remediated under the direction of the Ground Water Protection Division. All fifteen of the sites are in the highly industrialized area near the Mississippi River, mostly along Scenic Highway (Hwy 61). NOD personnel reviewed the files on each of the listed sites. The files reviewed contained the Facility Inspection Form for each site visit. Table 9 shows the site name, address and status and following is a listing of the results of the file search.

TABLE 9  
GROUND WATER ASSESSMENT/REMEDATION SITE LIST

	SITE NAME	LOCATION	STATUS
†D2	Deltech (American Hoechst)	11191 Scenic Hwy	Remediation
	Ethyl	451 Florida Blvd	Remediation
†D8	Exxon Chemical Resin	12480 Scenic Hwy	Assessment
	Exxon Refinery	4045 Scenic Hwy	Assessment and Remediation
	Formosa	Gulf States Rd	Assessment
	FEE (Formosa, Ethyl, Exxon)	central to all three sites	Assessment
	Georgia Pacific	Mt Pleasant Rd (Zachary)	Assessment
	Grant Chemical	Hwy 61 at Irene Rd	Remediation
	Kaiser-East Landfill	Irene Rd	Assessment
	Louisiana Oil & Re-refining		Bankrupt
†D9	Paxon & Polymer (Allied Signal)	12875 Scenic Hwy	Assessment
	Rhone Poulenc	Hwy 61 at old Miss River Bridge	Assessment
†D12	Rollins Baton Rouge	13351 Scenic Hwy	Assessment
†D13	Schuylkill Metals		Assessment
	Westinghouse	555 Choctaw Drive	Remediation



The following is information obtained while reviewing the files on each site:

†<sup>D2</sup> Deltech (American Hoechst). 11191 Scenic Hwy, Baton Rouge LA 70784. Facility Inspection Form dated November 12, 1991 includes 4 solid waste detection, 17 assessment wells, 7 wells not sampled, and 7 recovery wells. The sampling schedule is quarterly for phenols and BTEX. Facility Inspection Form dated April 22, 1991 tested for the following waste constituents: phenol, EB, toluene, styrene, DVB. The site is currently under remediation.

Ethyl (LAD079460895). 451 Florida Blvd, Baton Rouge, LA 70801, near Gulf States Rd. Facility Inspection Form dated May 19, 1992 indicated sampling parameters as follows: pH, Specific Conductivity, TOC, TOX, Pb, chloride, barium, Fe, Mn, Na, sulfate, phenols, purgeable chlorinated hydrocarbons. The sampling schedule is semi-annual for RCRA, quarterly for recovery. The site is currently under remediation. This site is not in the project area.

†<sup>D8</sup> Exxon Chemical Baton Rouge Resin Finishing (LAD000812818). Location: 12480 Scenic Hwy, PO Box 241, Baton Rouge LA 70821. Facility Inspection Report dated June 5, 1991 indicates waste constituents as benzene, E. benzene, naphthalene, toluene, cumene, isoprene, styrene, xylene. Units investigated are primary, secondary and fire water ponds/detection/5 wells. Facility Inspection Report dated May 8, 1991 indicates waste constituents as being BTEX, DMF. Facility Inspection Report dated June 16, 1992 indicates waste constituents to be BTEX and other VOCs. Sampling schedule is variable (multiple areas). Sampling parameters are also various. No units are regulated. Ground water concerns are old process areas and aboveground storage tanks. (Assessments and remedial activities in various areas). The site is currently under assessment. This site is in the vicinity of the disposal area at the parish landfill (Devil's Swamp Landfill).

Exxon Refinery (LAD062662887). Location: 4045 Scenic Hwy, Baton Rouge, LA 70821. Facility Inspection Report dated March 25, 1991 indicated sampling parameters to be VOCs, semi-volatiles (split sample). Unit investigated was Observation well #58. Facility Inspection Report dated June 17, 1991 indicated waste constituents to be stormwater runoff. The sampling parameters were specific conductivity, TOC, and pH. Units investigated were 5 detection wells. The sampling schedule is semi-annual. Facility Inspection Report dated August 25, 1992 indicates waste constituents as being BTEX. The site is currently under remediation and assessment. This site is not in the project area.

Formosa (LAD04122932). Location is on Gulf States Road and the Mississippi River. Order dated October 9, 1989 conclude that investigations and monitoring show that ground water contamination exists in at least two permeable strata located approx thirty to sixty feet below ground surface. Highest concentration are 1,2-dichloropropane, 1,2-dichloroethane. Vertical and horizontal extent of contamination migration is unknown. Facility Inspection Report dated June 12, 1992 indicates waste constituents to be EDC, pH, TOC, Ni, Cu.

Sampling is quarterly for six recovery wells, seven RCRA monitoring wells, three solid waste monitor wells, and seven assessment wells. Site is currently under assessment. This site is not in the project area.

FEE (Formosa, Ethyl, Exxon). Ground water quality assessment program by the three listed companies within a centrally located region of the facilities. Wells were installed into thirty foot and sixty foot zones. Samples are analyzed for volatiles, semi-volatiles, and metals. The site is currently under assessment. These sites are not in the project area.

Georgia Pacific (GD-033-0311). Site is located on W. Mt Pleasant Rd, Zachary LA 70791, approximately eight to ten miles north of Baton Rouge. Facility Inspection Report dated June 21, 1991 indicates units investigated were heavy black liquid pond (4 detection wells), weak black liquid (3 detection wells), solid waste landfill (6 detection wells), secondary treatment pond (7 detection wells). Facility Inspection Report dated February 10, 1992 indicates units investigated were heavy black liquid pond (4 wells), weak black liquor (3 wells), solid waste landfill (6 wells), secondary treatment (7 wells). Sampling schedule for the heavy black liquid is quarterly, others are semi-annually. The site is currently under assessment. This site is not within the project area.

Grant Chemical (LAD092104389). Site location is Hwy 61 at Irene Rd. Facility Inspection Report dated May 5, 1992 indicates waste constituents to be glycol and glycol ether, organic chlorides, benzene, and cyclic ethenes. Well counts are 1 recovery well with 2 monitoring wells. Sample schedules for recovery well is monthly, monitoring well is yearly. Site is currently under remediation. This site is not within the project area.

Kaiser-East Landfill (GD-033-0206). The site is an Irene Rd spent bauxite facility. Monitoring wells test for total dissolved solids(TDS), total phenol, chloride, sulfate, iron, manganese, and zinc. The site is currently under assessment. This site is not in the project area.

Louisiana Oil & Re-refining. The company is bankrupt. The file was not available in the Ground Water Protection fileroom, the fileroom attendant said it was out and had no record of who currently had it.

†<sup>D9</sup> Paxon & Polymer (Allied Signal) (LAD000802868). Location is 12875 Scenic Hwy. Facility Inspection Report dated October 25, 1991. Waste constituents were volatiles and chrome. Units investigated were five ground water detection wells, one opex assessment well, and thirteen perimeter wells associated with Rollins boundary. Sampling schedule for ground water is semiannual, opex and perimeter are semi-annual. Facility Inspection Report dated February 12, 1993 indicated waste constituents were volatiles. Sampling parameters were for VOCs and metals. Site is currently under assessment.

Rhone Poulenc (LAD008161234). Location is north of Hwy 61 at Old Miss River Bridge. Facility Inspection Report dated June 4, 1990 indicated waste constituents were low pH and

sulfuric acid in old closed pond area. Facility Inspection Report dated June 28, 1991 indicated units investigated were facility wide, three detection wells. Facility Inspection Report dated July 8, 1992 indicates waste constituents were sulfuric acid. Sampling parameters were pH, conductivity, TOC, TOX, Fe, Mg, phenols, Cl, Na, Sulfate. Unit of investigation were one impoundment with six detection monitor wells. Site is currently under assessment. This site is not within the project area.

†<sup>D12</sup> Rollins Baton Rouge (LAD010395127). Location is 13351 Scenic Hwy, Baton Rouge LA 70874. Studies for the site include analysis of acids, base/neutrals, volatile organics, pesticides, total metals, dissolved metals, conventional parameters. On March 2 and 3, 1988 no Class I violations, No class II violations, no deficiencies were noted. Site is currently under assessment. This site is not within the project area.

†<sup>D13</sup> Schuylkill Metals. The file was not available in the Ground Water Protection fileroom, the fileroom attendant said it was out and had no record of who currently had it. The site is currently under assessment.

Westinghouse (LAD985169325). Location of site is 555 Choctaw Drive. On September 30, 1991 the semi-annual ground water sampling event analytical data indicated that no PCBs were detected in any of the monitoring wells. The site is currently under remediation. This site is not in the project area.

#### 5.1.2.5 Office of Air Quality and Radiation Protection.

Office of Air Quality and Radiation Protection, Air Quality Compliance Division, Enforcement Section. LDEQ Office of Air Quality Compliance Division, Enforcement Section keeps a listing of all permitted emission sites in the State of Louisiana and also all emission violations for the state. Also included is the type of material which the site is permitted to emit particulates, carbon monoxide, nitrogen oxides, volatile organics, sulfur dioxide, asbestos and benzene. Due to the nature and types of air emissions, all violations within East Baton Rouge Parish are included. Possible types of violations are indicated below:

Formal Inquiry	LDEQ suspects that the facility has a violation. Company officials are invited to discuss the circumstances with LDEQ.
Notice of Violation	LDEQ has confirmed that the facility has a violation. Company officials are invited to discuss the circumstances and corrective measures with LDEQ.
Compliance Order	LDEQ indicates corrective plan for violation. Plan may be generated by the facility and approved by LDEQ or generated by LDEQ.
Penalty Notice	LDEQ issues notice of a fine for non-compliance.

Table 10 is a list of all the facilities in East Baton Rouge Parish which are permitted to release air toxins and their permitted levels. Table 11 is a list of all Air Quality enforcement actions for East Baton Rouge Parish since 1989.

TABLE 10  
COMPLIANCE DATA SYSTEM

SOURCE NAME	ADDRESS	CITY	PLLT <sup>1</sup>	LOAD <sup>2</sup>	STATUS
A & P #35	1911 Starring Lane	Baton Rouge			Operating
A & P Grocery	9476 Greenwell Springs Rd	Baton Rouge			Operating
A & P Grocery #3	3525 Perkins Rd	Baton Rouge			Operating
A & P Supermarket	2024 Main	Baker			Operating
Acme Brick Company	Hwy 61 & Hwy 964	Baton Rouge	PT		Perm Closed
			CO	00002	
			N2	00019	
			VO	00000	
All Star Cabinets	15406 Frenchtown Rd	Baton Rouge	PT	00001	Operating
			S2	00000	
			VO	00001	
			CO	00001	
			N2	00002	
Allied Signal Inc	Ontario & Lupine St	Baton Rouge	PT	00027	Operating
			S2	01800	
			VO	00594	
			CO	00004	
			N2	00024	
			OT	00429	
Allied-Signal Inc	Ontario & Lupine St	Baton Rouge	PT	00027	Operating
			S2	01800	
			VO	00594	
			CO	00004	
			N2	00024	
			OT	00429	
Altex Rdy Mix Concre	Hwy 3113	Baton Rouge	PT	00001	Operating
Altex Rdy Mix Concre	5384 Choctaw Dr	Baton Rouge	PT	00001	Operating
Altex Rdy Mix Concre	Mancuso Lane	Baton Rouge			Perm Closed
Amoco Pipeline Co	Hwy 3113 1W of Hwy 61	Zachary	VO	00001	Operating
Amoco Pipeline Co	Hwy 3113 1M W Hwy 61	Zachary	VO	00001	Operating
Amoco Production Co	Hwy 67 & Irene Rd	Port Hudson	PT	00007	Operating
			S2	00001	
			VO	00040	
			CO	00112	
			N2	00216	
Amoco Production Co	Hwy 3113 P Hudson CTB	Zachary	PT	00002	Operating
			S2	00001	
			VO	00070	
			CO	00012	
			N2	00050	

TABLE 10 (CONTINUED)  
COMPLIANCE DATA SYSTEM

SOURCE NAME	ADDRESS	CITY	PLLT <sup>1</sup>	LOAD <sup>2</sup>	STATUS
Amoco Production Co	Hwy 3113 P Hudson CTB	Zachary	OT	00041	Operating
			N2	00041	
			PT	00002	
			S2	00001	
			VO	00070	
			CO	00012	
Anderson Dunham Inc	Sullivan Rd	Baton Rouge	PT		Perm Closed
Anderson Dunham Inc	Sullivan Rd	Baton Rouge	PT	00004	Operating
Armco Steel Corp	7625 Scenic Hwy	Baton Rouge			Perm Closed
Ashland Chemical Co	11109 So Choctaw Dr	Baton Rouge			Operating
B R White Truck Sale	6741 Airline Hwy	Baton Rouge			Operating
Barber Bros Contr Co	5353 Mancuso Lane	Baton Rouge	PT	00018	Operating
			S2	00001	
			VO	00011	
			CO	00007	
			N2	00007	
Barber Brothers Conc	Mancuso Lane	Baton Rouge	PT	00001	Operating
Baton R Scrap Metal	7067 Scenic Hwy	Baton Rouge	PT	00001	Operating
Baton Rouge Concrete	1160 Joplin Ave	Baton Rouge	PT	00001	Operating
Baton Rouge Gen Hosp	3600 Florida St	Baton Rouge			Operating
Baton Rouge Meat Spy	6940 Harry Drive	Baton Rouge			Operating
Baton Rouge Oil Co	8150 S Choctaw Dr	Baton Rouge	VO	00012	Operating
Bet-R-Store	2812 Kalurah St	Baton Rouge			Operating
Bluff Creek Concrete	Greenwell Springs Rd	Greenwell Spr	PT	00001	Operating
Bluff Creek Rdy Mix	Hwy 37 & Hwy 408	Baton Rouge	PT	00001	Operating
Borden Inc (Dairy)	4743 Florida Blvd	Baton Rouge	VO		Operating
Browning Ferris Ind	5757 Siegen Lane	Baton Rouge			Operating
Burglar Guard Mfg	8450 Paris Ave	Baton Rouge			Operating
C & S Incinerator	2100 W Stevensdale Subd	Baton Rouge	PT	00037	Operating
			S2	00001	
			VO	00001	
			CO	00001	
			N2	00074	
Capital City Millwork	K Williamson's St	Baton Rouge			Operating
Capital City Press	Bluebonnet & I-10	Baton Rouge			Operating
Chevron Asphalt Co	1001 S First Street	Baton Rouge	PT	00001	Temp
Closed					
			N2	00001	
Clegg Concrete Inc	9501 So Choctaw Dr	Baton Rouge	PT	00001	Temp
Closed					
Coastal Terminal Sys	6440 Rawlins St	Baton Rouge	VO	00000	Operating



TABLE 10 (CONTINUED)  
COMPLIANCE DATA SYSTEM

SOURCE NAME	ADDRESS	CITY	PLLT <sup>1</sup>	LOAD <sup>2</sup>	STATUS
Coastal Terminal Sys	2440 Rawlins St	Baton Rouge	PT	00001	Operating
			S2	00001	
			VO	00001	
			CO	00001	
			N2	00003	
Coco Millwork Supply	3717 Florida St	Baton Rouge	PT	00001	Operating
Copolymer Rub & Chem	5955 Scenic Hwy	Baton Rouge	PT	00014	Operating
			S2	00001	
			VO	00249	
			CO	00017	
			N2	00287	
			OT	00006	
CSX NGL Corporation	1925 River Rd	Baton Rouge	VO	00050	Perm Closed
D Lewis Wrecking Yrd	9555 Joor Rd	Baton Rouge	PT	00001	Operating
Dalton Laborde Dump	Pecue Lane	Baton Rouge			Perm Closed
† <sup>20</sup> Daniell Battery Co	11150 Choctaw Dr	Baton Rouge	PT	00030	Operating
			N2	00001	
Delta Concrete Co	6891 Pecue Lane	Baton Rouge	PT	00003	Operating
			VO	00001	
† <sup>D2</sup> Deltech Corporation	11911 Scenic Hwy	Baton Rouge	PT	00199	Operating
			S2	00012	
			VO	00910	
			CO	00256	
			N2	08347	
			OT	00038	
† <sup>D2</sup> Deltech Corporation	11911 Scenic Hwy	Baton Rouge	PT	00199	Operating
			S2	00012	
			VO	00910	
			CO	00256	
			N2	08347	
			OT	00038	
† <sup>D2</sup> Deltech Corporation	11911 Scenic Hwy	Baton Rouge	CO	00256	Operating
Dolese Concrete	Airline/Troop A	Baton Rouge	PT	00001	Operating
Dolese Concrete	1335 Choctaw	Baton Rouge	PT	00001	Operating
Dolese Concrete	Mancuso Lane	Baton Rouge	PT	00001	Operating
Dolese Concrete Co	Airline - Sherwood	Baton Rouge	PT	00001	Operating
Dravo Lime Pelcn Div	12797 Scenic Hwy	Baton Rouge	PT	00039	Operating
Easy Crete	17543 Hooper Rd	Greenwell Spr	PT	00013	Operating
			N2	00003	
Ergon Oil Purchasing	Hwy 61 & Thomas Rd	Baton Rouge	BZ	00010	Operating
Ergon Oil Purchasing	Hwy 61 & Thomas Rd	Baton Rouge	BZ	00010	Operating
Ethyl Corp EDC Plant	Gulf States Rd	Baton Rouge			Perm Closed
Ethyl Corporation	Gulf States Rd	Baton Rouge	PT	00338	Operating
			VO		

TABLE 10 (CONTINUED)  
COMPLIANCE DATA SYSTEM

SOURCE NAME	ADDRESS	CITY	PLLT <sup>1</sup>	LOAD <sup>2</sup>	STATUS
			CO	00724	
			N2	00339	
			OT	07283	
			VC		
Ethyl Corporation	P O Box 341	Baton Rouge	VC		Perm Closed
Exxon Chem Americas	4999 Scenic Hwy	Baton Rouge	PT	00093	Operating
			S2	00462	
			VO	03875	
			CO	03956	
			N2	03889	
			OT	00003	
Exxon Chem Americas	4045 Scenic Hwy	Baton Rouge	S2	00462	Operating
Exxon Chem Americas	4999 Scenic Hwy	Baton Rouge	VC		Operating
			BZ		
Exxon Chem Americas	4999 Scenic Hwy	Baton Rouge	VO	00013	Operating
Exxon Company	3329 Scenic Hwy	Baton Rouge	PT	00002	Perm Closed
			S2		
			CO	00001	
			N2	00002	
			VO	00020	
Exxon Company USA	Northern Industrial	Baton Rouge	PT		Perm Closed
			S2		
Exxon Company USA	4045 Scenic Hwy	Baton Rouge	PT	00694	Operating
			S2	08931	
			VO	16162	
			CO	40268	
			N2	03784	
Exxon Company USA	4045 Scenic Hwy	Baton Rouge	S2	08931	Operating
			VO	00091	
Exxon Company USA	3329 Scenic Hwy	Baton Rouge	VO	00065	Operating
Exxon Company USA	3329 Scenic Hwy	Baton Rouge	VO	00065	Operating
Exxon Refinery	4045 Scenic Hwy	Baton Rouge	BZ		Operating
† <sup>De</sup> Exxon Resin Finish	12480 Scenic Hwy	Baton Rouge	VO	00030	Operating
† <sup>De</sup> Exxon Resin Finishin	12480 Scenic Hwy	Baton Rouge	PT	00004	Operating
			S2	00001	
			VO	00031	
			CO	00005	
			N2	00022	
			OT	00008	
† <sup>De</sup> Exxon Resin Finishng	12480 Scenic Hwy	Baton Rouge	BZ		Operating
Exxon Plastics Plant	Hwy 18 & Thomas Rd	Baton Rouge	PT	00008	Operating
			S2	00014	
			VO	00909	
			CO	00080	

TABLE 10 (CONTINUED)  
COMPLIANCE DATA SYSTEM

SOURCE NAME	ADDRESS	CITY	PLLT <sup>1</sup>	LOAD <sup>2</sup>	STATUS
Exxon-Plastics Plant	Hwy 19 & Thomas Rd	Baton Rouge	N2	00126	Operating
			OT	00141	
			PT	00008	
			S2	00014	
			VO	00909	
			CO	00080	
			N2	00126	
FG Sullivan Plant #1	9313 So Choctaw	Baton Rouge	OT	00141	Operating
			PT		
			PT		
			PT	00001	
			PT	00001	
			S2	00002	
			VO	00061	
FG Sullivan Plant #2	Old Hammond Hwy	Baton Rouge	CO	00003	Operating
			N2	00013	
			OT	00004	
			VO	00035	
			CO	00132	
			N2	00952	
			PT	00001	
Feliciana Ready Mix	Hwy 19 & E Central	Zachary	S2	00008	Operating
			VO	00035	
			CO	00158	
			N2	02245	
			PT	00132	
			S2	00009	
			VO	00046	
First Energy Corp	Hwy 964 - Irene Cen	Baker	CO	00519	Operating
			N2	00692	
			OT	00028	
			PT	00155	
			S2	00006	
			VO	00187	
			CO	00135	
Florida Gas Tran-CS3	E Lower Zachary Rd	Zachary	N2	01519	Operating
			VC	00028	
			PT	00155	
			S2	00006	
			VO	00187	
			CO	00135	
			N2	01519	
Florida Gas Tran-CS8	Off Lower Zachary Rd	Zachary	VC	00028	Operating
			PT	00155	
			S2	00006	
			VO	00187	
			CO	00135	
			N2	01519	
			VC	00028	
Formosa Plastics	Gulf States Rd	Baton Rouge	PT	00155	Operating
			S2	00006	
			VO	00187	
			CO	00135	
			N2	01519	
			VC	00028	
			PT	00155	
Formosa Plastics	GSU Road	Baton Rouge	S2	00006	Operating
			VO	00187	
			CO	00135	
			N2	01519	
			VC	00028	
			PT	00155	
			S2	00006	
Formosa Plastics	Gulf States Road	Baton Rouge	VO	00187	Operating
			CO	00135	
			N2	01519	
			VC	00028	
			PT	00155	
			S2	00006	
			VO	00187	
Formosa Plastics Cor	Gulf States Road	Baton Rouge	CO	00135	Operating
			N2	01519	
			VC	00028	
			PT	00155	
			S2	00006	
			VO	00187	
			CO	00135	

TABLE 10 (CONTINUED)  
COMPLIANCE DATA SYSTEM

SOURCE NAME	ADDRESS	CITY	PLLT <sup>1</sup>	LOAD <sup>2</sup>	STATUS
General Health Inc Georgia Pacific Corp	PO Box 2511 Hwy 61 North	Baton Rouge Port Hudson	S2	00006	Operating
			VO	00187	
			CO	00135	
			N2	01519	
			AB		
			VC	00028	
			PT	01750	
Georgia-Pacific Corp	Hwy 61 N	Port Hudson	S2	02845	Operating
			VO	01420	
			CO	18425	
			N2	02141	
			OT	02379	
			PT	01750	
			CO	18425	
Georgia-Pacific Corp	Hwy 61 N	Zachary	N2	02141	Operating
			PT	01750	
			S2	02845	
			VO	01420	
Gilmar Marine Serv Grant Chemical Corp	1500 River Rd Scenic Hwy & Irene Rd	Baton Rouge Baton Rouge	N2	02141	Operating
			PT	00001	
			S2	00001	
			OT	00038	
			CO	00006	
			N2	00021	
			VO	00064	
Grant Chemical Corp	Scenic Hwy & Irene Rd	Baton Rouge	N2	00021	Operating
			PT	00001	
			S2	00001	
			VO	00064	
Grant Chemical Corp	Scenic Hwy & Irene Rd	Baton Rouge	CO	00006	Operating
			PT	00001	
			S2	00001	
			VO	00064	
			CO	00006	
			N2	00021	
Groundwater Technolg Grow Chemical Coatng Grow Group Inc Grow Group Inc Gulf Refining & Mktg Gulf States Utility	2314 S Acadian Thrw 453 Springfield Road 453 Springfield Rd 453 Springfield Rd Mississippi River Gulf States Rd West	Baton Rouge Baton Rouge Baton Rouge Baton Rouge Baton Rouge Baton Rouge	OT	00038	Planned
			VO	00001	
			VO	00000	
			VO	00022	
			VO	00022	
			PT	00066	

TABLE 10 (CONTINUED)  
COMPLIANCE DATA SYSTEM

SOURCE NAME	ADDRESS	CITY	PLLT <sup>1</sup>	LOAD <sup>2</sup>	STATUS
Gulf States Utility	Gulf States Rd West	Baton Rouge	S2	01236	Operating
			VO	00024	
			CO	05932	
			N2	03183	
			PT	00066	
			S2	01236	
Gulf States Utility	Gulf States Rd West	Baton Rouge	VO	00024	Operating
			CO	05932	
			N2	03183	
			PT	00066	
			S2	01236	
			VO	00024	
Hall Buck-Profit Isl	Limestone Road	Baton Rouge	CO	05932	Operating
			N2	03183	
Hall-Buck Marine	Formosa Plastic Site	Baton Rouge	PT	00020	Operating
			VO	00001	
Hall-Buck Marine Inc	3M S LSU River Road	Baton Rouge	PT	00010	Perm Closed
			PT	00002	
Hall-Buck Marine Inc	3M S LSU River Road	Baton Rouge	S2	00025	Operating
			VO	00271	
			CO	00001	
			N2	00011	
			N2	00011	
			PT	00002	
			S2	00025	
			VO	00271	
Hercules Transport	20269 Highland Road	Baton Rouge	CO	00001	Planned
			N2	00004	
			VO	00001	
			CO	00001	
			S2	00000	
Hiport Inc	1100 Mengel Road	Baton Rouge	VO	00001	Operating
			PT	00006	
			S2	00001	
			VO	00019	
			CO	00037	
Howard Bros	6945 Florida Blvd	Baton Rouge	N2	00542	Perm Closed
			PT	00002	
			VO	00000	
Huntsman Chem Corp	Hwy 61 Scenic Hwy	Baton Rouge	PT	00006	Perm Closed
			S2	00001	
Ideal Cement Co	Hwy 190 Miss R Bridge	Baton Rouge	PT	00002	Perm Closed
			VO	00000	
Ideal Cement Company	Mengel Pl Rd & 190	Baton Rouge	PT	00002	Perm Closed
			VO	00000	



TABLE 10 (CONTINUED)  
COMPLIANCE DATA SYSTEM

SOURCE NAME	ADDRESS	CITY	PLLT <sup>1</sup>	LOAD <sup>2</sup>	STATUS
Illinois Cen Gf RR	100 France	Baton Rouge			Operating
Ind Elec Motor Svc	10474 Mammoth Ave	Baton Rouge	PT	00001	Operating
			S2	00000	
			VO	00001	
			CO	00001	
			N2	00001	
Indust Maint & Constr	7465 Exchange Place	Baton Rouge	PT	00004	Perm Closed
			VO	00001	
Irish Pipe Coating	Ronaldson & Thomas Rd	Baton Rouge			Perm Closed
J & H Hardwood	Hwy 19	Zachary	PT	00165	Operating
K & B #34	5840 Plank Rd	Baton Rouge			Operating
Kalmbach-Burckett Co	2355 Tecumseh St	Baton Rouge			Operating
Kirks Bandag Service	2501 Scenic Hwy	Baton Rouge			Operating
LA Chem Polymers	12537 Scenic Hwy	Baton Rouge	PT	00007	Temp
Closed					
			VO	00001	
			CO	00012	
			N2	00048	
LA Concrete Products	4747 Choctaw	Baton Rouge	PT	00007	Operating
			S2	00002	
			VO	00004	
			CO	00002	
			N2	00002	
LA Dept of Hwys	Capital Street	Baton Rouge	PT	00001	Operating
LA Pet Crematory, Inc	5215 Perkins Rd	Baton Rouge	PT	00001	Operating
			S2	00001	
			VO	00001	
			CO	00001	
			N2	00001	
LA Skid & Pallet Co	12711 Ronaldson Rd	Baton Rouge	PT	00000	Operating
			CO	00000	
			N2	00000	
LA State University	100ft N Vet Med Bldg	Baton Rouge	N2	00013	Operating
			PT	00001	
			S2	00001	
			VO	00008	
			CO	00001	
Laborde Dump	Picou Lane	Baton Rouge			Operating
Lambert Ready Mix	Ronaldson Rd	Baker	PT	00001	Operating
LaRoche Chemicals	Hwy 190 & Miss River	Baton Rouge	PT	00108	Operating
			S2	00001	
			CO	00007	
			N2	00038	
LaRoche Metals Div	Airline Hwy & Miss River	Baton Rouge	PT	01145	Perm Closed

TABLE 10 (CONTINUED)  
COMPLIANCE DATA SYSTEM

SOURCE NAME	ADDRESS	CITY	PLLT <sup>1</sup>	LOAD <sup>2</sup>	STATUS
			S2	00015	
			CO	00169	
			N2	01972	
			VO	00002	
LH Bossier Inc	Highway 37	Baywood	PT		Operating
Liquid Transport Inc	5385 Hooper Rd	Baton Rouge	PT	00001	Operating
			S2	00001	
			VO	00003	
			CO	00001	
			N2	00001	
LLOG Exploration Co	W of Hwy 964 & 64	Zachary	PT	00001	Operating
			S2	00001	
			VO	00016	
			CO	00010	
			N2	00088	
Lone Star Industries	1155 Joplin Road	Baton Rouge	PT	00001	Operating
Louisiana Concrete	I-10 & Highland Rd	Baton Rouge	PT	00007	Operating
			S2	00002	
			VO	00004	
			CO	00002	
			N2	00002	
Louisiana Hy-Pro, Inc	909 Blount Rd	Scotlandville	N2	00001	Operating
LSU and A&M College	Highland Rd/Dalrymple	Baton Rouge	PT	00002	Operating
			S2	00001	
			VO	00007	
			CO	00047	
			N2	00194	
LSU and A&M College	Highland/Dalrymple	Baton Rouge	N2	00194	Operating
Margot Inc	7700 Airline Hwy	Baton Rouge	AB		Perm Closed
Midwest Steel Co	Baton Rouge	Baton Rouge			Perm Closed
Miller Transporters	7088 Greenwell Springs	Baton Rouge	PT		Operating
			S2		
			CO		
			N2		
			VO		
Milton J Womack, Inc	8400 Jefferson Hwy	Baton Rouge			Operating
Minor Source Actions	Parish Wide	Parish Wide			Operating
Modern Electric	20039 Highland Rd	Baton Rouge			Operating
Mona Sculptured Fgnl	7633 Jefferson Hwy	Baton Rouge			Operating
National Food St #89	3434 North Blvd	Baton Rouge			Operating
National Food Store	4475 Perkins Rd	Baton Rouge			Operating
Nichols Const Corp	2864 Mason Ave	Baton Rouge	PT	00001	Operating
† <sup>D9</sup> Paxon Polymer Comp	12875 Scenic Hwy	Baton Rouge	PT	00098	Operating
			S2	00001	
			VO	00342	

TABLE 10 (CONTINUED)  
COMPLIANCE DATA SYSTEM

SOURCE NAME	ADDRESS	CITY	PLLT <sup>1</sup>	LOAD <sup>2</sup>	STATUS
† <sup>D9</sup> Paxon Polymer Comp	12875 Scenic Hwy	Baton Rouge	CO	00003	Operating
			N2	00133	
			OT	00002	
			PT	00098	
			VO	00342	
Peterson/Puritan, Inc	1100 Mengel Road	Baton Rouge	PT	00001	Operating
			S2	00001	
			VO	00001	
			CO	00001	
			N2	00001	
Petrson/Puritan, Inc	1100 Mengel Road	Baton Rouge	VO	00001	Operating
Plantation Pipe Line	Blount Rd & Hwy 19	Baton Rouge	VO	00351	Operating
Precision Brake	4018 North Street	Baton Rouge	AB		Perm Closed
Public Terminals	Mengle Rd	Baton Rouge	VO	00008	Operating
Public Terminals	Mengel Rd	Baton Rouge	VO	00008	Operating
† <sup>D11</sup> Reynolds Metal Co	W Brooklawn Drive	Baton Rouge	PT	00584	Operating
			S2	16484	
			N2	00940	
† <sup>D11</sup> Reynolds Metal Co Rhone-Poulenc	W Brooklawn Dr Airline Hwy & Miss River	Baton Rouge Baton Rouge			Perm Closed Operating
			PT	00001	
			S2	07699	
			VO	00003	
			CO	00001	
Rhone-Poulenc Basic	Old Miss Bridge Airl	Baton Rouge	N2	00003	Operating
			OT	00025	
			PT	00003	
			S2	00001	
			VO	00020	
Rhone-Poulenc Basic	Old Miss Bridge Airl	Baton Rouge	CO	00001	Operating
			N2	00002	
			PT	00003	
			S2	00001	
			VO	00020	
Richard's Ford Inc Riverside Concrete	7787 Florida Lot 13 Highlandia Rd	Baton Rouge Baton Rouge	CO	00001	Operating Perm Closed
			N2	00002	
			PT	00001	
			AB	00250	
			PT	00094	
† <sup>D12</sup> Rollins Env Srvs Inc † <sup>D12</sup> Rollins Environ Ser	13351 Scenic Hwy 13351 Scenic Hwy	Baton Rouge Baton Rouge	S2	00100	Operating Operating
			VO	00109	
			N2	00003	
† <sup>D13</sup> Schuylkill Metals	Brooklawn Drive	Baton Rouge	PT	00022	Operating
			S2	03557	
Shell Pipeline Co	Off Blount Rd	Zachary			Operating

TABLE 10 (CONTINUED)  
COMPLIANCE DATA SYSTEM

SOURCE NAME	ADDRESS	CITY	PLLT <sup>1</sup>	LOAD <sup>2</sup>	STATUS
Sou Scrap-Thomas Div Specialty Minerals	6847 Scenic Hwy Hwy 61 N	Baton Rouge Port Hudson	PT	00001	Operating
			PT	00006	Planned
			S2	00001	
			VO	00000	
			CO	00001	
			N2	00018	
Stevens Asphalt Plnt	7460 Industrial Ave	Baton Rouge	OT	00002	
			PT	00011	Perm Closed
			N2		
Stevens Concrete	7460 Industrial Ave	Baton Rouge	OT		
Stevens Concrete #2	Florida Blvd	Baton Rouge	PT		Perm Closed
Stevens Concrete #3	River Road	Baton Rouge	PT	00001	Operating
Stevens Pipe Plant	Hwy 37	Baton Rouge	PT	00001	Operating
Sullivan Oil Co	2773 N Flannery	Baton Rouge	PT	00001	Operating
Sun Enterprises	8151 Airline Hwy	Baton Rouge	VO	00025	Operating
Tommy's Food Villa	10148 Greenwell Springs	Baton Rouge			Operating
† <sup>D14</sup> Union Tank Car Co	Brooklawn Drive	Baton Rouge			Operating
United Brake	1071 Neosha Street	Baton Rouge	N2		Perm Closed
Village Restaurant	8464 Airline Hwy	Baton Rouge	AB		Perm Closed
Warehouse Foods	3521 Greenwell Springs	Baton Rouge			Operating
Waskey Bridges, Inc	11024 S Choctaw	Baton Rouge			Perm Closed
Woolco #6300	3535 Perkins Rd	Baton Rouge	PT		Operating
Younger Brothers, Inc	11213 Airline Hwy	Baton Rouge			Perm Closed
			PT	00001	
			VO	00002	
Zachary Ele Motor	4948 Rankin St	Zachary	N2	00001	
					Operating

<sup>1</sup> Pollutant

POLLUTANT TYPES:

AB - Asbestos  
BZ - Benzene  
PT - Particulates  
CO - Carbon Monoxide  
N2 - Nitrogen Oxides  
VO - Volatile Organics  
S2 - SO<sub>2</sub>  
OT - Other

<sup>2</sup> Permitted load, in tons/year

TABLE 11  
COMPLIANCE DATA SYSTEM ENFORCEMENT ACTIONS

SOURCE NAME	ADDRESS	CITY	ACTION	DATE	STATUS
Allied Signal Inc	Ontario & Lupine St	Baton Rouge	order issued	08/21/90	operating
			formal inquiry	06/01/90	
			formal inquiry	06/21/91	
Amoco Pipeline Co	Hwy 3113 1W of Hwy 61	Zachary	formal inquiry	10/01/90	operating
Amoco Production Co	Hwy 3113 P Hudson CTB	Zachary	order issued	09/27/90	operating
			order issued	05/07/90	
Amoco Production Co	Hwy 67 & Irene Rd	Port Hudson	formal inquiry	07/30/90	operating
Amoco Production Co	Hwy 3113 P Hudson CTB	Zachary	formal inquiry	10/01/90	operating
			st non-com plty	04/23/91	
Barber Bros Contr Co	5353 Mancuso Lane	Baton Rouge	formal inquiry	04/02/91	operating
Bluff Creek Rdy Mix	Hwy 37 & Hwy 408	Baton Rouge	notice of violation	10/23/90	operating
City of Baton Rouge	P.O. Box 1471	Baton Rouge	notice of violation	06/28/90	renovation
			notice of violation	06/28/90	
			st non-com plty	10/15/90	
Copolymer Rub&Chem	5955 Scenic Hwy	Baton Rouge	order issued	08/21/90	operating
			formal inquiry	12/16/91	
† <sup>20</sup> Daniell Battery Co	11150 Choctaw Dr	Baton Rouge	formal inquiry	03/21/91	operating
† <sup>D2</sup> Deltech Corporation	11911 Scenic Hwy	Baton Rouge	order issued	08/21/90	operating
			formal inquiry	11/06/92	
Dravo Lime Pelcn Div	12797 Scenic Hwy	Baton Rouge	notice of viola	12/17/90	operating
EBR Par Sch Board	1050 S. Foster Dr	Baton Rouge	notice of viola	01/15/91	renovation
			notice of viola	01/15/91	
East BR School Bd	1050 S. Foster Dr	Baton Rouge	notice of viola	08/13/90	renovation
Ergon Oil Purchasing	Hwy 61 & Thomas Road	Baton Rouge	formal inquiry	08/16/92	operating
Exxon Chem Americas	4999 Scenic Hwy	Baton Rouge	order issued	06/20/89	operating
			order issued	08/21/90	
			formal inquiry	10/23/90	
			formal inquiry	04/13/92	
Exxon Company USA	4045 Scenic Hwy	Baton Rouge	notice of viola	01/31/89	operating
			notice of viola	03/23/92	
			order issued	08/21/90	
			formal inquiry	10/11/89	
			formal inquiry	04/17/90	
Exxon Company USA	4045 Scenic Hwy	Baton Rouge	formal inquiry	10/11/89	operating
Exxon Company USA	4045 Scenic Hwy	Baton Rouge	st non-com plty	05/09/91	operating
Exxon Refinery	4045 Scenic Hwy	Baton Rouge	formal inquiry	10/11/89	operating
Exxon Plastics Plant	Hwy 18 & Thomas Rd	Baton Rouge	order issued	08/21/90	operating
Florida Gas Tran-CS3	E Lower Zachary Rd	Zachary	order issued	08/21/90	operating
			formal inquiry	08/17/90	
Formosa Plastics	Gulf States Road	Baton Rouge	order issued	08/21/90	operating
Formosa Plastics Cor	Gulf States Road	Baton Rouge	st non-com plty	08/17/89	operating
			st non-com plty	12/17/90	
			st non-com plty	07/27/92	



TABLE 11 (CONTINUED)  
COMPLIANCE DATA SYSTEM ENFORCEMENT ACTIONS

SOURCE NAME	ADDRESS	CITY	ACTION	DATE	STATUS
Georgia Pacific Corp	Hwy 61 North	Port Hudson	st non-com plty	11/30/92	operating
			notice of viola	03/13/90	
			order issued	08/21/90	
Grant Chemical Corp	Scenic Hwy & Irene Rd	Baton Rouge	formal inquiry	10/30/92	operating
			st non-com plty	05/31/90	
			notice of viola	05/03/89	
			formal inquiry	06/11/91	
Grow Chemical Coatng	453 Springfield Rd	Baton Rouge	formal inquiry	03/16/92	operating
			st non-com plty	08/07/89	
			st non-com plty	12/21/92	
Gulf States Util Co	LA Station Box 2431	Baton Rouge	notice of viola	01/19/93	renovation
			st non-com plty	03/17/93	
Gulf States Util Co	Gulf States Rd, West	Baton Rouge	order issued	08/21/90	operating
Gulf States Util Co	Gulf States Rd, West	Baton Rouge	order issued	01/10/89	operating
Hall Buck-Profit Isl	Limestone Rd	Baton Rouge	formal inquiry	10/12/89	operating
Hall Buck-Marine Inc	3M S LSU River Rd	Baton Rouge	order issued	08/21/90	operating
			formal inquiry	05/22/90	
Hercules Transport	20269 Highland Rd	Baton Rouge	notice of violation	04/23/92	planned
			order issued	07/27/92	
Keans Cleaners	140 Sharp Rd	Baton Rouge	notice of viola	06/28/90	renovation
La Chem Polymers	12537 Scenic Hwy	Baton Rouge	formal inquiry	12/28/90	temp closed
LA Deaf School	4328 Government St	Baton Rouge	notice of viola	03/17/93	renovation
LA Fac Plan & Cont	P.O. Box 94095	Baton Rouge	notice of viola	06/28/30	renovation
LA State University	E203 Pleasant Hall	Baton Rouge	notice of viola	11/13/90	demolition
			notice of viola	11/13/90	
LaRoche Chemicals	Hwy 190 & Miss River	Baton Rouge	order issued	08/21/90	operating
			formal inquiry	04/26/91	
LLOG Exploration Co	W of Hwy 964 & 64	Zachary	order issued	08/21/90	operating
			formal inquiry	06/11/91	
Minor Source Actions	Parish Wide	Parish Wide	notice of viola	02/23/89	operating
			notice of viola	03/13/89	
			notice of viola	07/24/89	
			notice of viola	08/14/89	
			notice of viola	12/06/89	
			notice of viola	12/11/89	
			notice of viola	01/05/90	
			notice of viola	01/05/90	
			notice of viola	01/05/90	
			notice of viola	06/28/90	
			notice of viola	06/28/90	
			notice of viola	08/13/90	
			notice of viola	08/13/90	
			notice of viola	09/28/90	
			notice of viola	03/22/91	
			notice of viola	07/10/91	

TABLE 11 (CONTINUED)  
COMPLIANCE DATA SYSTEM ENFORCEMENT ACTIONS

SOURCE NAME	ADDRESS	CITY	ACTION	DATE	STATUS
			notice of viola	11/30/92	
			notice of viola	03/08/93	
			order issued	10/19/90	
			order issued	12/17/90	
			order issued	02/26/91	
			order issued	12/05/91	
			formal inquiry	01/28/93	
			st non-com plty	02/22/89	
			st non-com plty	03/13/89	
			st non-com plty	07/25/91	
Plantation Pipe Line	Blount Rd & Hwy 19	Baton Rouge	order issued	08/21/90	operating
			formal inquiry	04/17/90	
			formal inquiry	02/04/91	
			formal inquiry	10/30/92	
Public Terminals	Mengle Rd	Baton Rouge	formal inquiry	07/13/90	operating
† <sup>D11</sup> Reynolds Metal Co	W. Brooklawn Dr	Baton Rouge	order issued	08/21/90	operating
			formal inquiry	11/26/90	
† <sup>D12</sup> Rollins Environ Ser	13351 Scenic Hwy	Baton Rouge	order issued	09/01/89	operating
			order issued	08/21/90	
			formal inquiry	04/09/91	
			formal inquiry	01/20/92	
† <sup>D13</sup> Schuylkill Metals	Brooklawn Dr	Baton Rouge	formal inquiry	05/02/90	operating
			formal inquiry	05/01/91	
			st non-com plty	12/18/91	
Shell Pipeline Co	off Blount Rd	Zachary	order issued	08/21/90	operating

Office of Air Quality and Radiation Protection, Air Quality Regulatory Division, Permits Section. This office maintains the Toxic Emissions Data Inventory (TEDI) database. This is a listing of the actual releases of approximately 100 toxic compounds by emission point. All listings in East Baton Rouge Parish are included since the spread of contaminants through the air generally has far reaching impacts. Table 12 is a listing of the actual releases of air toxins by facility in East Baton Rouge Parish.

TABLE 12  
TOXIC EMISSIONS DATA INVENTORY DATABASE

COMPANY	ADDRESS	CHEMICAL	EMISSION RATE (lbs/yr)
Allied Signal, Inc	PO Box 2830	Carbon Tetrachloride	693
		Chlorine	5
		Chloroform	12525
		Chloromethane	3730
		Hydrochloric Acid	2005
		Hydrogen Fluoride	250
		Methanol	390057
		Methyl Ethyl Ketone	5379
		Tetrachloroethylene	10925
		Xylene	1800
		Zinc	500
Borden, Inc Dairy	4743 Florida	Ammonia	12306
Copolymer Rubber & Chem Corp	PO Box 2591	1,3-Butadiene	15100
		Acrylonitrile	800
		Ammonia	16003
		Styrene	165100
Ethyl Corporation	PO Box 341	Dichloromethane	39938
		Xylene	48970
Exxon Chemical Americas	PO Box 241	1,3-Butadiene	40460
		Acetonitrile	13940
		Ammonia	45680
		Benzene	183920
		Chloromethane	393860
		Cresol	540
		Ethyl Benzene	6972
		Formaldehyde	10
		Hydrochloric Acid	424640
		Hydrogen Sulfide	60
		Maleic Anhydride	39020
		Methanol	20700
		Methyl Ethyl Ketone	64858
		N-Hexane	1907060
		Phenol	240
		Phthalic Anhydride	312506
		Styrene	51460
		Sulfuric Acid	2400
		Toluene	81102
		Xylene	53620

TABLE 12 (CONTINUED)  
TOXIC EMISSIONS DATA INVENTORY DATABASE

COMPANY	ADDRESS	CHEMICAL	EMISSION RATE (lbs/yr)
Exxon Chemical Co Plastics Pl	PO Box 1607	1,1,1-Trichloroethane	2378
		Acetaldehyde	9034
		Acrylic Acid	265
		Benzene	4
		Ethyl Benzene	2
		Methanol	60066
		Methyl Ethyl Ketone	87
		Methyl Isobutyl Ketone	21
		N-Hexane	69726
		Toluene	560
		Vinyl Acetate	366058
		Xylene	115
Exxon Company, USA	PO Box 551	1,1,1-Trichloroethane	10448
		1,2-Dibromomethane	1279
		1,3-Butadiene	9175
		Ammonia	68237
		Antimony	44
		Benzene	62386
		Carbon Disulfide	8
		Carbon Tetrachloride	5480
		Carbonyl Sulfide	148
		Copper	27
		Cresol	3894
		Cumene	19759
		Ethyl Benzene	27776
		Ethylene Glycol	2769
		Formaldehyde	13712
		Glycol Ethers	452
		Hydrochloric Acid	14071
		Hydrogen Sulfide	3628
		Methanol	6503
		Methyl Ethyl Ketone	143320
		Methyl Isobutyl Ketone	70107
		N-Hexane	340856
		Nickel	435
		Phenol	1840
		Polynuclear Aromatic Hydrocarbons	3675
		Styrene	1161
		Toluene	177442
		Xylene	105204
		Zinc	5754

TABLE 12 (CONTINUED)  
TOXIC EMISSIONS DATA INVENTORY DATABASE

COMPANY	ADDRESS	CHEMICAL	EMISSION RATE (lbs/yr)
Formosa Plastics Corporation	PO Box 271	1,2-Dichloroethane	39500
		Chlorine	35000
		Hydrochloric Acid	9448
		Vinyl Chloride	465
Georgia Pacific Corporation	PO Box 430	Arsenic	163
		Barium	1234
		Benzene	4876
		Chlorine	6458
		Chlorine Dioxide	3995
		Chloroform	279355
		Chromium	101
		Copper	219
		Dichloromethane	2274
		Formaldehyde	2906
		Hydrochloric Acid	5880
		Hydrogen Sulfide	283835
		Manganese	4489
		Methanol	1850451
		Methyl Ethyl Ketone	38844
		Nickel	505
		Polynuclear Aromatic Hydrocarbons	937
		Sulfuric Acid	27530
		Zinc	1571
Grant Chemical Division/Ferro	PO Box 263	1,4-Dioxane	5414
		Acetaldehyde	303
		Benzene	1540
		Chloroethane	790
		Chloromethane	1250
		Ethylene Glycol	1430
		Formaldehyde	495
		Glycol Ethers	3228
		Hydrochloric Acid	1461
		Methanol	632
		Sulfuric Acid	1
		Toluene	2236
HBM River Plant, Inc	PO Box 3635	1,2-Dichloroethane	320
		Benzene	11178
		Dichloromethane	0
		Methanol	60
		Methyl Ethyl Ketone	340



TABLE 12 (CONTINUED)  
TOXIC EMISSIONS DATA INVENTORY DATABASE

COMPANY	ADDRESS	CHEMICAL	EMISSION RATE (lbs/yr)
HBM River Plant, Inc (continued)		N-Hexane	4
		Polynuclear Aromatic Hydrocarbons	0
		Tetrachloroethylene	360
		Toluene	840
		Vinyl Acetate	240
		Xylene	920
† <sup>D9</sup> Paxon Polymer Company	PO Box 53006	Chromium	23
		N-Hexane	730
† <sup>D11</sup> Reynolds Metals Co	PO Box 44448	Copper	220
		Nickel	8427
		Polynuclear Aromatic Hydrocarbons	16180
		Zinc	1040
Rhone-Poulenc Basic Chem	PO Box 828	Methanol	780
		Methyl Isobutyl Ketone	2160
Rhone-Poulenc Basic Chem Co	PO Box 828	1,2-Dichloroethane	40
		Acetaldehyde	50
		Carbon Disulfide	70
		Carbon Tetrachloride	30
		Chloroform	40
		Hydrogen Sulfide	720
		Methanol	70
		Methyl Ethyl Ketone	60
		Sulfuric Acid	35640
		Toluene	30
† <sup>D12</sup> Rollins Environ Services, Inc	PO Box 74137	1,1,1-Trichloroethane	419
		1,1,2-Trichloroethane	2
		1,2-Dichloroethane	12
		1,3-Dichloropropylene	2
		1,4-Dichlorobenzene	2
		1,4-Dioxane	17
		Acetonitrile	582
		Acrylonitrile	1
		Allyl Chloride	1
		Aniline	34
		Antimony	42
		Arsenic	10
		Asbestos	50
		Barium	10

TABLE 12 (CONTINUED)  
TOXIC EMISSIONS DATA INVENTORY DATABASE

COMPANY	ADDRESS	CHEMICAL	EMISSION RATE (lbs/yr)
		Benzene	171
		Beryllium	1
		Bis (2-Chloroethyl) Ether	4
		Cadmium	37
		Carbon Tetrachloride	23
		Chlorine	12
		Chlorobenzene	42
		Chloroform	24
		Chloromethane	1
		Chromium	321
		Copper	209
		Cumene	39
		Dichloromethane	38
		Ethyl Benzene	10
		Ethylene Glycol	38
		Formaldehyde	5
		Hexachloro-1,3-Butadiene	11
		Hexachlorobenzene	5
		Hexachloroethane	13
		Hydrazine	12
		Hydrochloric Acid	24423
		Maleic Anhydride	9
		Mercury	1
		Methanol	96
		Methyl Ethyl Ketone	42
		Methyl Isobutyl Ketone	3
		Methyl Methacrylate	9
		N-Hexane	45
		Nickel	274
		Nitric Acid	12
		Nitrobenzene	10
		Phenol	12
		Phosgene	5
		Phthalic Anhydride	1
		Propylene Oxide	9
		Pyridine	15
		Selenium	2
		Styrene	13
		Sulfuric Acid	53
		Tetrachloroethane	7
		Tetrachloroethylene	90
		Toluene	903
		Trichloroethylene	113

TABLE 12 (CONTINUED)  
TOXIC EMISSIONS DATA INVENTORY DATABASE

COMPANY	ADDRESS	CHEMICAL	EMISSION RATE (lbs/yr)
		Vinyl Acetate	1
		Vinyl Chloride	4
		Vinylidene Chloride	1
		Xylene	65
		Zinc	2855

Office of Air Quality and Radiation Protection, Radiation Protection Division, Inspection and Enforcement. The following is data from LDEQ Radiation Protection Division, Naturally Occurring Radioactive Materials (NORM) database. NORM is generally associated with the oil and gas industry where contamination is produced primarily in the "produced water" disposal pits and in the sludge build up in pipes. Substances from deep within the earth naturally contain low levels of natural radiation. Though recently abandoned, the technology of disposing produced waters into large pits which were used for periods of as long as 30 years caused sludges to become concentrated as water evaporated or otherwise left the pit. Often, pits are closed by merely filling and capping. Thus, construction through a closed pit is possible and highly dangerous. These sludges are now very concentrated and often contain highly toxic levels of radiation. Likewise, the sludges which build up on the inside of transport pipes also contain high levels of radiation. When the pipes are reamed out for maintenance, the dust generated are a source of air contamination, and the disposed sludges are a potential soil and groundwater contamination threat. The readings shown are for gamma radiation, which is generally not of concern, but is easy to detect. Alpha radiation is directly proportional to gamma radiation and is of concern, but is difficult to detect. Thus, high gamma readings are an indication that toxic alpha levels are present. Alpha radiation is toxic only when ingested (such as by drinking contaminated groundwater or by eating foods contaminated by radioactive dirt) or when inhaled (such as breathing airborne dusts). Anything with gamma readings of above 25 Micro Roentgens is regulated. Testing can be performed to determine alpha radiation levels. If a company is registered, their equipment or materials registering more than 5 picocuries/gram must be licensed. If the company is not already registered, equipment between 5 and 30 picocuries/gram may be exempt, but equipment registering levels above 30 picocuries must be licensed. Table 13 is a listing of facilities which have measurable amounts of Naturally Occurring Radioactive Materials and the levels of radiation associated with each facility. The operators of the facilities are listed prior to the facility.

TABLE 13  
NORM DATABASE

Operator:

DENOVO OIL AND GAS, INC.

LA-2083-N01

1111 Fannin Street

P.O. Box 4394

Houston, TX 77210

POC: David F. Tharp, Sr. Vice President

LA-2083-N01

Facility ID/Facility for above operator	Ser #	Field	Location	Viol	Reading uR/hr high bkgrnd	
Kleinpeter TK/BTRY	00138	Siegen	Sec 59 T7S R1E		55	
Main Comm Fas	00137	Burtville	Perkins and Siegen Lane Sec 41 T8S R1E		115	
Goldking & Kleinpeter	00133	Siegen	Hwy 30 and Gardere Sec 60 T7S R1E		240	
St. Einbach #1	188247	University	I-10 and Siegen Sec 41 T8S R1E	no	7	5
† <sup>92</sup> Kleinpeter #4	158300	Siegen	Sec 59 T7S R1E	no	7	5
			Perkins at Siegen			
† <sup>83</sup> Kleinpeter #1	151010	Siegen	Sec 59 T7S R1E	no	5	5
Seigen SWD #1		Siegen	Sec 59 T7S R1E	no	7	7
† <sup>86</sup> Kleinpeter #7	185365	Siegen	Sec 59 T7S R1E	no	5	5
	165591	Nesser	Sec 49 T8S R2E	no	10	6
	163484	Nesser	Sec 49 T8S R2E	no	10	6
† <sup>76</sup>	189576	Nesser	Sec 49 T8S R2E	no	10	6
† <sup>77</sup>	180886	Nesser	Sec 49 T8S R2E	no	10	6
† <sup>106</sup> Medisave Pharmacies #1D	190176		Siegen and I-10	no	20	10
			Sec 54 T8S R1E			
† <sup>90</sup> Medisave Pharmacies #1D	189006		Siegen and I-10			
			Sec 54 T8S R1E	no	20	10
S.T. Gianilloni, Jr. #12		University	Hwy 30, .4 mi S of Gardere	no	6	6
S.T. Gianilloni, Jr. #1 & #3		University	Hwy 30, .4 mi S of Gardere	no	6	6
EBR Parish #1D	190425	N. Burtville	Sec 41 T8S R1E		80	
			Gardere near Hwy 30			
Steinbach #1	188247	N. Burtville	Sec 41 T8S R1E	no	5	5
Gianelloni #9D	190168	N. Burtville	Sec 41 T8S R1E	no	5	5
			Gardere Lane			
Gianelloni #9	187720	N. Burtville	Gardere Lane	no	8	5
Gianelloni #8D	189984	N. Burtville	Gardere Lane	no	8	5
Gianelloni #7	186563	N. Burtville	Gardere Lane	no	5	5
Gianelloni #8	187111	N. Burtville	Gardere Lane	no	5	5
EBR Parish #1	186281	N. Burtville	Gardere Lane	no	7	5

TABLE 13 (CONTINUED)  
NORM DATABASE

Facility ID/Facility for above operator	Ser #	Field	Location	Viol	Reading uR/hr high bkgnd
--	-------	-------	----------	------	-----------------------------

Operator:

MEMORIAL EXPLORATION COMPANY

17 S. Briar Hollow Lane

Suite 200

Houston, TX

POC: Robert C. Berger, Vice President - Drilling and Production

LA-3955-N01

Facility ID/Facility for above operator	Ser #	Field	Location	Viol	Reading uR/hr high bkgnd
† <sup>173</sup> Duplantier Estate "A"	N202379-TB	University	Sec 65 T8S R1W		65
Nelson	N176748	University	Sec 36 T7S R1W		40 6
† Helis Karstin	N415296	University	Sec 36 T7S R1W		60
			LAT 30 23' 26" LON 91 09' 43"		
† Nelson Lease	N415296-TB	University	Sec 36 T7S		60
			LAT 30 23' 26" LON 91 09' 43"		

Operator:

ASSOCIATED NATURAL GAS, INC

900 Republic Plaza

P.O. Box 5493

Denver, CO 80217

POC: Robert L. Pearson, Mgr Safety and Environmental Affairs

LA-0141-N01

Facility ID/Facility for above operator	Ser #	Field	Location	Viol	Reading uR/hr high bkgnd
Comite Plant	N610		Sec 71 T6S R2E 8455 Rome Drive		130

Operator:

CALLON PETROLEUM

LA-1055-N01

Facility ID/Facility for above operator	Ser #	Field	Location	Viol	Reading uR/hr high bkgnd
NS 3 RD SUB;LSU	N196612	University	Sec 74 T8S R1W		40



TABLE 13 (CONTINUED)  
NORM DATABASE

Facility ID/Facility for above operator	Ser #	Field	Location	Viol	Reading uR/hr high bkgrnd
LAT 30 22' 53.008" LON 91 10' 33.617"					
<u>Operator:</u> EVERGREEN ENERGY LA-083A-N01					
Facility ID/Facility for above operator	Ser #	Field	Location	Viol	Reading uR/hr high bkgrnd
Evergreen Energy	N970PF		Sec 71 T6S R2E		130
Comite Plant					

Two of five operators listed in the NORM database are within the 0.5 mile search area, for a total of 12 daggered facilities. Denovo Oil and Gas, Inc. and Memorial Exploration Company have NORM facilities within this 0.5 mile search area, and daggered sites are usually associated with a petroleum production well. Many of these production wells can be cross-referenced with the LDNR wells in Table 16. The serial number in the above table refers to the LDNR well serial number which also appears in Table 16.

5.1.3 Discussions with East Baton Rouge Parish Personnel. Personnel from the East Baton Rouge Department of Public Works and Environmental Division were interviewed about their knowledge of HTRW problems within East Baton Rouge Parish. Although the Department did not actively participate in sampling or site investigation, they did have knowledge of past or abandoned landfills within the parish. Many of these landfills are listed on the CERCLIS inventory and further information was available through LDEQ research.

†<sup>46</sup> The CERCLIS inventory listing labeled "Valley Park School" was originally a municipal dump abandoned in 1952. East Baton Rouge Parish personnel also indicated that I-10 and Albertson's at College Drive are also located over this landfill.

Parish personnel also mentioned an old municipal dump operated in the early 1900s near the State Capitol Building, and also a location along the northern edge of Capitol Lake.

†<sup>D6</sup> Devil's Swamp Sanitary Landfill, which is listed on the CERCLIS inventory, is scheduled to close in October 1993 with a new municipal landfill opening approximately four miles from the site.

Parish personnel also mentioned knowledge of an old hazardous waste location on Siegen Lane near Airline Highway which was operated by Browning-Ferris Industries (BFI). The Parish stated that it was believed that a building was still standing near the former site. This site corresponds to a CERCLIS inventory site listed as Browning-Ferris Ind - Siegen Lane.

Another municipal landfill near the intersection of Florida Blvd. and 22nd Street was abandoned in the 1940s. A city parish facilities building now occupies the site. Also, a bus maintenance facility is planned. Parish personnel stated that eight USTs were on the site, they were monitored, cleaned and filled with inert material. The tanks were left in place to avoid disturbing a possible Confederate graveyard believed to be located in the area.

Louisiana State University and the City are believed to have operated landfills on the River side of the Flood Protection Levee along the Mississippi River.

†<sup>6</sup> A municipal-type waste landfill was located along Airline Highway near Bayou Manchac where the Baton Rouge Fairgrounds is currently located. This site is listed on the CERCLIS inventory as Sandfil Land Reclamation and is referenced in the Baton Rouge Fairground listing.

The Environmental Division also mentioned that the City currently does not accept industrial waste from the industrial sites within the Parish. These sites are currently responsible for disposal of their own waste.

NOD personnel also discussed an intense, bright blue-green color to the water in Weiners Creek and Jones Creek noticed during the fly-over. The item discussed in Section 5.2.1 Aerial Photographs, Maps and Aerial Video.

5.1.4 Louisiana State Police. As mentioned in the site survey notes, Louisiana State Police personnel verified the identification of aluminum and bauxite mounds at the Baton Rouge Engineering Depot on Sherwood Forest Boulevard near Jones Creek and tributaries discussed in the Site Survey notes. The State Police also keeps log books of all emergency hazardous material spills to which they respond. The following is a listing of their logs from 1988 to 1992. Since LDEQ Emergency Response and Baton Rouge Fire Department Hazardous Material Division also respond to emergency spills in other capacities, some crossover exists between each organization's respective data.

TABLE 14  
STATE POLICE SPILL LOGS

NO.	DATE	COMPANY	LOCATION	MATERIAL	AMOUNT
HI920075	01/07/92	Unknown	1 mile n of Rollins by LTI	Bad Odor	Unknown
HI920161	01/15/92	Unknown	10	Diesel	Unknown
HI920671	03/02/92	Unknown	5115 Highland Rd-Fountainbleau Apt	Bomb	N/A
HI921097	04/09/92	Waste Management	12000 block of Lake Leta	Diesel & Hydraulic Fluid	25-30 gals
HI921330	04/24/92	Illinois Central R/R	Outside the Rome Plaune Plant Sta	Unknown	No leaks
HI921452	05/02/92	Unknown	Airline Hwy	Zinc Filler	Unknown
HI921584	05/13/92	Coastal Terminal Sys	Hwy 61	Industrial Sulfate	30 gals
HI921719	05/20/92	Denovo Oil & Gas Inc	West Siegen Lane North I-10	Salt Water	50 barrels
HI921747	05/22/92	Unknown	Behind Hammond Aire Mall	Unknown	None
HI921749	05/22/92	Unknown	Sharp Rd & Florida Blvd	Natural Gas	Unknown
HI921835	05/29/92	Illinois Central	Baton Rouge Yard	None	None
HI921845	05/29/92	Vernon Soileau	Airline Hwy Same Wholesale	Liquid Plumber	Unknown
HI921932	06/05/92	Unknown	Greenwell Sprgs from Wicks Lumber	Diesel	Unknown
HI921943	06/05/92	Unknown	City Lot Chippewa St	Gasoline	Unknown
HI922015	06/12/92	Unknown	I-12 W/B past Airline	Unknown	Unknown
HI922025	06/12/92	Specialty Oil Co	I-12 W/B	Motor Oil	55 gals
HI922138	06/19/92	LA Gas	1211 South Carrollton	Natural Gas	Unknown
HI922225	06/24/92	Unknown	Unknown	Bomb Threat	N/A
HI922326	07/02/92	Unknown	16031 Greenwell Springs Rd	Diesel	80 gals
HI922327	07/02/92	National Food Store	16031 Greenwell Springs Rd	Diesel	150 gals
HI922457	07/14/92	Central Garden & Pet Supply	6565 Exchequer Suite 160	Chlorine	15 lbs
HI922614	07/25/92	Denovo Oil & Gas Corp	Gardere Lane 1/2 mile from E from	Salt Water/ Crude Oil	1 barrel
HI922646	07/28/92	Donmoor Supermarket	1143 North Donmoor	Unknown	Unknown
HI922661	07/29/92	Office of Student Financial As	1885 Wooddale Blvd	Bomb threat	N/A
HI922749	08/05/92	Petro Chemical Transport	61 I-12 South Choctaw	Unknown	Unknown
HI922940	08/19/92	Mutual Aid Phone	Not Given	Not listed	Unknown
HI923179	09/01/92	Unknown	Bayou Fountain - Highland Rd	Odor	Unknown
HI923277	09/08/92	CCI Environmental Drilling	13370 Old Hammond Hwy	Gasoline & Hydraulic	60 gals
HI923667	10/05/92	Motor Vehicle	Independence Blvd/Motor Vehicle	Pesticide	Unknown
HI924062	10/14/92	Not Shown	134 McGehee Dr	X-Ray Devel Fluid	Sev gals
HI924186	11/13/92	One Hour Martinizing	13577 Hooper Rd	Perchloroethylene (Perc)	10 gals
HI924374	12/01/92	State Police	CIB Building on LSP Compound Fost	Natural Gas	Unknown
HI924375	11/29/92	Citizen Complaint	Boardwalk Dr-Interstate 12-W of E	Unknown	Unknown
HI924687	12/31/92	Unknown	2200 blk-S Acadian behind TJ Ribs	Bright green liq	Unknown
HI910078	01/14/91	None	3 miles northwest	None	Unknown

TABLE 14 (CONTINUED)  
STATE POLICE SPILL LOGS

NO.	DATE	COMPANY	LOCATION	MATERIAL	AMOUNT
HI910107	01/18/91	St George School	Siegen Lane (Western Auto)	Natural Gas (Mercaptan)	Unknown
HI910185	01/29/91	Unknown	North Baton Rouge	Styrene	2 qts
HI910298	02/15/91	West Pane Lab	Gardere and Burbank	None	None
HI910376	02/25/91	Unknown	Before College Dr I-12	Unknown	Unknown
HI910945	05/02/91	Unknown	11814 Coursey Blvd	Natural Gas	Unknown
HI911316	06/04/91	Dan Chase Taxidermy Supplier	13599 Blackwater	Methyl Chloride	1 ton week
HI911328	06/05/91	Chevron Service Station	Calais and Essen Lane	Gasoline	Unknown
HI911371	06/08/91	Tesoro	W/B I-10 College	Hydraulic Fluid	Unknown
HI911465	06/17/91	Unknown	Siegen Lane at I-10	Corrosive Liq	Unknown
HI911603	06/27/91	Unknown	4343 Rhoda	Propane	Unknown
HI911617	06/28/91	Timmons International	Tom Dr & Airline Hwy	Paint	Unknown
HI912070	08/06/91	LaRoche Chemical	Airline Hwy South of MS River	Sulfuric Acid	150 lbs
HI912091	08/03/91	Younger Brothers	11143 Airline Hwy	Plastizer	7100 gals
HI912152	08/13/91	LaRoche Chemical	Airline Hwy	Hydrochloric Acid	50 lbs
HI912229	08/20/91	H & H Lure	North Dual Street off S Choctaw	Acetone	Unknown
HI912236	08/20/91	Unknown	Airline Hwy	Unknown	Unknown
HI912251	08/21/91	Unknown	Bluebonnet West Bound	Sodium Hydroxide	1 barrel
† <sup>39</sup> HI912255	08/21/91	Prince Rubber&Plastics	10296 South Choctaw	Methyl Ethyl Ketone	Unknown
HI912458	09/06/91	Unknown	Hooper between Sullivan	Oil	Unknown
HI912469	09/07/91	Dan Chase Taxidermy	Blackwater Rd	Unknown	Unknown
HI912470	09/07/91	Unknown	Shell Station Little John & Florida	Gasoline	Unknown
HI912506	09/10/91	Texaco Station	Government and Foster	None	None
HI912861	10/06/91	Unknown	BR Medical Center O'Neal Lane	Unk Acid	Unknown
HI913004	10/17/91	Unknown	Burbank about 1 mile off of Lee	Acetylene	Unknown
HI913045	10/21/91	Unknown	9989 Burbank Apt 173	Unknown	Unknown
HI913058	10/22/91	Unknown	I-12 Melville and Sherwood Forest	Tar	Unknown
HI913187	10/31/91	Unknown	Coursey & Sternberg	Muriatic Acid	1 gal
HI913402	11/18/91	Unknown	City Police Station	Explosive	None
HI913521	12/01/91	Unknown	Airport	None	None
HI913788	12/31/91	Unknown	5700 Siegen corner of McCane	Ethyl Chloride	Unknown
HI913789	12/30/91	Unknown	I-120 Airline abandoned lot	Unknown	Unknown
HI900074	01/11/90	Chevron Service Station	2313 South Acadian	Gasoline	Unknown
HI900161	01/31/90	Stephen Truck Line	I-10 at split	Gasoline	Unknown
HI900183	02/06/90	Denova Oil and Gas	Reiger Rd and I-10	Natural Gas	Unknown
HI900249	02/19/90	Unknown	Nicholson and West Lee	Oxygen	Unknown
HI900259	02/20/90	Baton Rouge Fire Dept	I-10 E/B Essen Lane	Weed Killer	Unknown
HI900269	02/23/90	Unknown	W/B I-12 between Airline & Drusilla	Unknown	Unknown
HI900313	03/05/90	Cropmate	Cropmate/Railroad Overpass	Diamonia	

TABLE 14 (CONTINUED)  
STATE POLICE SPILL LOGS

NO.	DATE	COMPANY	LOCATION	MATERIAL	AMOUNT
HI900471	04/05/90	Karen Mayeaux	9145 Delmar	Phosphate	2 tons
HI900532	04/21/90	Mr Keith Sharp	661 Bienville (behind house at addr)	Pesticide	Unknown
HI900567	04/27/90	Chevron	Coursey and Airline	Natural Gas	Unknown
HI900572	04/27/90	Chevron USA	Intersec Airline and Coursey	Gasoline	100 gals
HI900659	05/16/90	Unknown	I-10 2 miles s of Highland Rd N/B	Gasoline	100 gals
HI900729	06/04/90	Triple A Cooper	Greenwell Sprgs Rd & Choctaw Rd	Unknown	Unknown
HI900735	06/06/90	Superior Steel	North Dual at Superior Steel	Diesel	25 gals
HI900768	06/12/90	DSI	61 @ Highland Rd	Acetylene	Unknown
				Methyl Ethyl	
				Ketone	2 gals
HI900798	06/18/90	Unknown	LA 37 @ Sullivan	PCBs	Unknown
HI900875	06/27/90	Unknown	LA 73 south LA 948	Natural Gas	Unknown
HI900930	07/06/90	Unknown	Choctaw to NBR	Unknown	Unknown
HI901068	07/28/90	Diamond Shamrock Gas Station	110 S Foster Dr	Unknown	Unknown
HI901078	07/31/90	Holiday Trailer Park	Old Hammond Hwy @ Holiday Park	Gasoline	Unknown
HI901120	08/07/90	Unknown	I-10 Eastbound @ Bluebonnet	Unknown	Unknown
HI901152	08/12/90	DEMCO	Norwick Ave off O'Neal	Diesel	Unknown
HI901220	08/23/90	Unknown	W Parker/Janet	Transformer Oil	Unknown
				Oil/Water	
				(Natural Gas)	Unknown
HI901248	08/28/90	Unknown	Highland Rd by Highland Rd Park	Oil	Unknown
HI901396	09/21/90	Unknown	Blackwater Rd 2 miles n of Hooper	Diesel	Unknown
HI901620	10/18/90	GSU	Old Hammond Hwy @ Florida Blvd	Transformer Oil	70 gals
HI901726	11/02/90	Builders Transport	I-12 at Millerville Rd	Alum Chloride	Unknown
HI901772	11/10/90	Mississippi Chemical	I-10 at Highland Rd Westbound Lane	Liq Sulphur	79K gals
HI901789	11/12/90	Parkland Hospital	Bunkerhill Dr	Unknown	Unknown
HI901842	11/19/90	4B Plastics Inc	12558 So Choctaw	Ethylene	100 lbs
HI901900	11/29/90	Unknown	1558 Westchester	Chlorine	Unknown
HI901997	12/11/90	Ferrara Fire Fighting Equipment	9812 Great Smokey	Bad Odor	None
HI902075	12/23/90	Exxon Gas Stations	Sherwood Forest and Coursey	Gasoline	Unknown
HI890004	01/03/89	Unknown	Sherwood Forest 12	Diesel	50 gals
HI890014	01/06/89	Baton Rouge Fire Dept	North Blvd and South Acadian	PCB	Unknown
HI890050	01/18/89	Baton Rouge Fire Dept	2959 College Dr at Texaco Serv Sta	Gasoline	Unknown
HI890099	02/01/89	Baton Rouge Fire Dept	Highland and Staring at Exxon Sta	Gasoline	Small leak
HI890103	02/02/89	Baton Rouge Fire Dept	Florida and Monterrey	Liquid detergent	Unknown
HI890121	02/06/89	Baton Rouge Fire Dept	8000 Jefferson Hwy at Gulf Station	Gasoline	Unknown
HI890125	02/07/89	LSP Tess	I-10 at College	Various flammable	
				Cylinders	Unknown
HI890129	02/09/89	EBR Fire Dept	14009 Old Hammond Hwy	Natural Gas	Unknown
HI890132	02/10/89	EBR Sheriffs Office	Highland & Airline; Sherwood & Airl	Diesel	Unknown
HI890138	02/10/89	EBR Fire Dept	445 Broadmoor	Natural Gas	Unknown
HI890169	02/21/89	EBR Fire Dept	I-10 EB at the split	Unknown	1800 lb
					cont



TABLE 14 (CONTINUED)  
STATE POLICE SPILL LOGS

NO.	DATE	COMPANY	LOCATION	MATERIAL	AMOUNT
HI890203	03/01/89	Baton Rouge Fire Dept	8516 Shady Bluff	Chlorine	Unknown
HI890273	03/17/89	Cracker Barrell	9958 Burbank	Gasoline	Unknown
HI890321	03/29/89	Ex Security	Coursey & Hickory Ridge	PCBs	Unknown
HI890352	04/05/89	Baton Rouge Fire Dept	I-10 at Highland Rd Entrance Ramp	Diesel	Unknown
HI890457	04/30/89	Unknown	Airline & Industrial near S Choctaw	Natural Gas	Unknown
HI890813	07/30/89	Wolf Pest Control	I-10 split N/B off Airport Exit	Unknown	Unknown
HI890934	08/26/89	Tire and Car Care Ctr	222 Lee Dr	Transmission Fluid	Unknown
HI891011	09/14/89	Unknown	Millerville/Old Hammond Hwy	Unknown	Unknown
HI891169	10/24/89	Unknown	I-10 E/B at Acadian	Orme	Unknown
HI891209	11/02/89	La Marka	10300 S Perdue	HCL Methane	Unknown
HI891280	11/15/89	Viola	I-12 Westbound as enter I-10	Corrosive	1 barrel
HI891286	11/16/89	Unknown	12/ONeal	Diesel	Unknown
HI891305	11/21/89	Unknown	10 W/B East of Siegen	Hydrochloric Acid	Unknown
HI891501	12/30/89	Airline Car Wash	Airline Car Wash 61 at Car Wash	Gasoline	Unknown
HI880047	01/18/88	Baton Rouge Fire Dept	1024 ONeal	Toxic Waste	Unknown
HI880056	01/19/88	NA	6221 Blueberry	Water	Unknown
HI880100	02/03/88	Citizen Report	Betw Highland & Perkins Bluebonnet	Unknown	Unknown
HI880113	02/08/88	Tri Sands Trucking	Alligator Bayou at Old Perkins Rd	Unknown	Unknown
HI880125	02/10/88	Unknown	Airline Hwy I-12	Diesel Fuel	Unknown
HI880231	03/16/88	Baton Rouge Fire Dept caller	4200 block Gourrier off Nicholson at LSU	None Listed	Unknown
HI880232	03/16/88	Baton Rouge Fire Dept	I-12 WB at O'Neal Lane	Diesel	Unknown
HI880282	03/31/88	Unknown	Florida Blvd and Airline Hwy	Diesel Fuel	Minimal
† <sup>32</sup> HI880350	04/19/88	Ill Central vs Ashland Transportation	10000 blk Choctaw	Tri-Ethylene Glycol	5000 gals
HI880379	04/28/88	Unknown	I-12 WB just South of Sherwood	Diesel	Unknown
† <sup>25</sup> HI880406	05/04/88	Exxon Service Station	Highland and Staring Lane	Gasoline	Unknown
HI880451	05/18/88	Unknown	Old Hammond Hwy and Sharp Rd	White Powder	Unknown
† <sup>25</sup> HI880467	05/23/88	Exxon Service Station	Staring and Highland	Gasoline	25 gals
HI880563	06/18/88	Unknown	O'Neal at Jones Creek dirt rd new section	Unknown	Unknown
HI880569	06/20/88	Unknown	Sternberg Lane-200 yds N of Coursey	Unknown	Unknown
HI880608	07/05/88	Unknown	I-12 WB from Cedarcrest to 10-12 spl	Diesel	Unknown
HI880626	07/11/88	Calongne Drayage & Storage	I-10 Siegen Lane Westbound	Diesel	40-45 gals
HI880650	07/16/88	Unknown	15561 Brown Rd betw Vail & Dyer	Butane	Unknown
HI880719	08/05/88	Unknown	Unknown	Medical waste	Unknown
HI880740	08/12/88	Unknown	Florida and Cora Dr	Gasoline	Unknown
HI880778	08/23/88	Unknown	Siegen & Perkins-Parking lot-Safeco Drugs	Propane Gas	Unknown
HI880794	08/27/88	Memorial Exploration	733 Bourbon	Salt Water	Unknown

TABLE 14 (CONTINUED)  
STATE POLICE SPILL LOGS

NO.	DATE	COMPANY	LOCATION	MATERIAL	AMOUNT
HI880884	09/19/88	Denovo Oil and Gas	I-10 and Siegen-Northeast corner	Pumping Fluid Crude Oil/ Salt Water	Unknown Unknown
HI881034	10/24/88	Unknown	W/B I-10 betw Siegen & Bluebonnet	Crude Oil	Unknown
HI881052	11/01/88	Unknown	North Baton Rouge	Odor	Unknown
HI881074	11/08/88	Not Listed	I-12 EB SW corner where equipment is kept	Chromosulfuric Acid	Unknown
HI881094	11/13/88	Listed	Burbank at Gardere	Mercaptan	Unknown
HI881104	11/17/88	Unknown	Unknown	Battery Acid	Unknown
HI881114	11/23/88	Cracker Barrell	11050 Airline Hwy	Diesel	0-5 gals
HI881209	12/28/88	WRBT Channel 33	I-10 at Acadian	Waste Water with Acid	Unknown

Four State Police Hazardous Material Incident Notifications remain daggered to indicate further investigation is required. A brief explanation of two of these incidents follow.

†<sup>32</sup> State Police Incident #88-350, Illinois Central cs Ashland Transportation (10000 block of South Choctaw Dr). Five thousand gallons of tri-ethylene glycol was spilled, it is listed as "non-regulated" for hazard class. The incident occurred on a railroad tank truck. There is no mention of whether or not cleanup was completed.

†<sup>39</sup> State Police Incident #91-2255 Prince Rubber and Plastics (10296 South Choctaw Drive between Sherwood and Monterrey). This company is accused of dumping methyl ethyl ketone into their dumpster and behind the building. It is alleged that the company told employees to make sure company name was not on the containers when throwing in the dumpster and try to cover up containers with other garbage. It is stated that this has been going on for several years. No information is included as to if evidence of dumping was found on site.

5.1.5 Baton Rouge Fire Department Hazardous Material Division. The Baton Rouge Fire Department maintains logs of hazardous material spills to which they are called to respond. The following is a listing of these logs from 1984 to May 7, 1993. LDEQ Emergency Response and the Louisiana State Police also maintain logs for emergency spills and there may be some spills which are repeated in these logs.

TABLE 15  
BATON ROUGE FIRE DEPARTMENT  
HAZARDOUS MATERIAL SPILL LOGS

NO.	DATE	RUN #	LOCATION	DESCRIPTION
1993				
1	1-4-93	300204	Georgia Pacific	transformer fire
2	1-4-93	300210	I-10 at Dalrymple	white powder
3	1-4-93	300215	Central H.S.	odor (mace)
4	1-4-93	300239	3008 Main	chemical odor
5	1-5-93	300252	3051 Sherwood	unk. chemicals
6	1-10-93		Metro Airport	alert 2
7	1-15-93	300801	744 S. 14th	gasoline
8	1-15-93	300821	4421 Greenmoss	carpet
9	1-17-93	300903	1225 Neosha	unk
10	1-18-93	300989	11858 Lovett	natural gas
11	1-20-93	301082	Metro Airport	alert 2
12	1-21-93	301139	100 Airline	barge adrift
13	1-22-93	301187	Moore and Claycut	oil sheen
14	1-27-93		1435 Nicholson	unk. substance
15	1-29-93	301628	I-12 and Airline	18 wheeler
† <sup>10</sup> 16	2-5-93	302036	7350 Tom	diesel
17	2-5-93	350708	5368 Canterdale	natural gas
18	2-8-93	302231	550 Lee Drive	gasoline
19	2-13-93	302513	Corporate Blvd	diesel
20	2-14-93	302591	Spanish Town	natural gas
21	2-14-93	302595	6735 Airline	nothing found
22	2-16-93	302682	6440 Rawlins	acrylic acid
23	2-16-93	302697	Evangeline and I-10	LPG
24	2-17-93	302725	1300 Gila	styrene monomer
25	2-17-93	302726	8121 Florida	no hazard
26	2-18-93	302757	Metro Airport	alert 2
27	2-18-93	302768	Tom Drive	engine oil
28	2-19-93	302813	843 Swartz	2nd alarm
29	2-23-93	30378	1769 Highland	flam liq
30	2-23-93	303091	Choctaw and Sorrel	tank car
31	2-25-93	303178	Greenwell Sprgs and Choctaw	diesel
32	2-27-93	303330	2916 Iroquois	nat gas
33	3-4-93	303542	11375 Stan Street	nat gas
34	3-19-93	304419	16325 Shenandoah Ave	waste oil
35	3-25-93	304731	3536 Drusilla Lane	gasoline
36	3-25-93	304754	2360 Dalrymple	oil and diesel
37	3-25-93	304775	2643 Plank rd	2nd alarm
38	3-26-93	304802	3048 Dougherty	nat gas
39	3-27-93	304880	7271 Airline Hwy	nat gas
40	3-27-93	304870	198 Kenwood	nat gas
41	3-29-93	304952	2929 College Dr	diesel
42	3-30-93	305022	Perkins and Acadian	diesel
43	4-1-93	305129	Perkins and Siegen	diesel

TABLE 15 (CONTINUED)  
BATON ROUGE FIRE DEPARTMENT  
HAZARDOUS MATERIAL SPILL LOGS

NO.	DATE	RUN #	LOCATION	DESCRIPTION
44	4-7-93	305483	555 Summit Ridge	HTH & chlorine tablets
45	4-7-93	305501	N. Sherwood Fst & Catalina	nat gas
46	4-8-93	305569	8989 Bluebonnet	cleaning fluid
47	4-10-93	305675	College at Perkins	gasoline
48	4-11-93	305709	Blount Rd @ Tallow	water
† <sup>45</sup> 49	4-8-93	305546	2205 Sherwood Fst	gas and diesel
50	4-14-93	305861	3300 N. Acadian	nat gas
51	4-14-93	305874	2500 N. Acadian	gasoline
52	4-15-93	305928	I-10 W.bound New bridge	motor oil, transmission, diesel gasoline
53	4-17-93	306070	I-12 @ Essen Eastbound	diesel
54	4-19-93	306186	9037 greenwell Sp Rd	sewage
55	4-27-93	306592	2700 Osceola St	asbestos siding
56	4-30-93	306793	1773 Dallas	commercial fire
57	5-1-93		100 blk of S. 14th	sulfuric acid hydrochloric acid sodium hydroxide potassium hydroxide ethyl alcohol (?) ethyl acetate benzene, freon phenyl acetic acid some type of chlorate

1992

1	1-1-92	200035	5360 St. Gerard	tear gas
2	1-1-92	200051	Woodale and Greenwell Spgs	oil
3	1-2-92	200094	W. El Cajun	unk odor
4	1-3-92	200149	2170 Riverside North	LOX
5	1-3-92	200150	DPW lot/Chippewa	oil
6	1-3-92	200178	11358 Greenwell Spgs	gasoline
7	1-4-92	200182	Airline @ Miss. Bridge	odor
8	1-4-92	200195	9450 Jackie Cochran	concrete
9	1-6-92	200336	9776 Greenwell Springs	gasoline
10	1-7-92	200365	Airline and Plank	switch oil
11	1-15-92	200786	10222 S. Perdue	diesel
12	1-16-92	200826	1820 Choctaw	gas odor
13	1-16-92	200841	3445 Florida	gasoline
14	1-18-92	200915	I-10 and St. Louis	lube oil

TABLE 15 (CONTINUED)  
BATON ROUGE FIRE DEPARTMENT  
HAZARDOUS MATERIAL SPILL LOGS

NO.	DATE	RUN #	LOCATION	DESCRIPTION
15	1-18-92	200916	700 St. Louis	gasoline
16	1-18-92	200934	3700 E. Brookstown	2nd alarm
17	1-21-92	201079	7908 Wrenwood	natural gas
18	1-22-92	201112	Nicholson and Burbank	dye
19	1-22-92	201130	I-110 SB @ Hwy 19	nat gas
20	1-22-92	201131	Capitol Lake	floating drum
†45 21	1-23-92	201153	2205 Sherwood Forest	diesel
22	1-24-92	201128	E. Industrial & Airline	diesel
23	1-28-92	201428	I-10 WB	oil
24	1-30-92	201532	425 S. 17th	transformer oil
25	1-31-92	201563	9430 Jackie Cochran	alert 2
26	1-31-92	201571	9430 J. Cochran/Airport	alert 2
27	1-31-92	201583	I-10 Bridge WB	lime
28	2-2-92	201688	2678 Tennessee	nat gas
29	2-6-92	201854	Broussard and Westmorland	transformer oil
30	2-7-92		turned in route	nat gas
31	2-8-92	201957	10135 Mollylea	unknown powder
32	2-11-92	202128	460 N. Beck	pylaktor
33	2-13-92	250800	13500 Coursey	abandoned drum
34	2-18-92	202497	1900 Blount rd	irritating odor
35	2-20-92	202568	Woodale & Florida	diesel spill
36	2-21-92		Exxon Refinery	mutual aid
37	2-22-92	202684	5420 Madison	house fire
38	2-27-92	202977	4546 North Street	hydraulic oil
39	2-29-92	203041	105 Riverside	2nd alarm
40	3-1-92	203149	Hwy 64	turned
41	3-2-92	251161	15000 Airline	unk acid
42	3-2-92	203194	12912 Florida	propane
43	3-4-92	203280	Harding and Plank	waste
44	3-5-92	203306	1000 N. Street	nat gas
45	3-5-92	203346	5310 Flannery	gasoline
†45 46	3-5-92	203348	2205 S. Sherwood Forest	diesel
47	3-6-92	203364	5310 Flannery	gasoline
48	3-6-92	203399	12020 Florida	acid
49	3-7-92	203430	1658 Stanford	propane
50	3-10-92	203581	Brightside and S. River Rd	nat gas
51	3-10-92	203586	Birch and 19th	oil
52	3-12-92	203675	12153 Troy	nat gas
53	3-13-92	203721	Tiger Bend & Babin rd	abandoned drum
54	3-13-92	203737	1987 Harelson	hydraulic oil
55	3-14-92	203774	11675 Scotland Ave	explosion
56	3-17-92	203989	Choctaw & Sorrell	MVA w/train
57	3-18-92	204005	15094 Old Hammond	nat gas



TABLE 15 (CONTINUED)  
BATON ROUGE FIRE DEPARTMENT  
HAZARDOUS MATERIAL SPILL LOGS

NO.	DATE	RUN #	LOCATION	DESCRIPTION
58	3-21-92	204173		unknown odor
59	3-23-92	204258	8050 Florida	gasoline
60	3-23-92	204272	1900 N. River Rd	mineral oil
61	3-23-92	204273	5430 Baton Rouge Ave	nat gas
62	3-23-92	204289	5395 Hooper Road	Caustic Soda
63	3-24-92	204326	1900 N. River road	mineral oil
64	3-25-92	204361	915 Julia	asbestos coating
65	3-27-92	204463	N. Flannery/n of S. Choctaw	gasoline
66	3-28-92	204566	I-10 East/.5 mi past college	diesel
67	3-29-92	204587	Greenwell and Quida Mae	diesel
68	3-30-92	204613	EB I-10 @ Perkins	nothing found
69	4-2-92	204768	Old Hammond & Drusilla	nat gas
70	4-3-92	204794	2156 Scenic	oil
71	4-9-92	205094	Monterrey & S. Choctaw	diesel
72	4-9-92	205113	Lake Leta	diesel
73	4-10-92	205156	BR Metro	alert 2
74	4-10-92	205162	11828 Richcroft	transformer oil
75	4-10-92		Alex Box Stadium	mercaptan
76	4-11-92	205333	3100 Highland	nat gas
77	4-14-92	205398	I-110 & Airline	nothing found
78	4-16-92	205509	I-110 NB & Capitol Access	diesel
79	4-16-92	205516	224 Fairfax	nat gas
80	4-18-92	205610	923 Lettsworth	diesel
81	4-23-92	205871	Scenic and Airline	caustic soda
82	4-26-92	206039	I-10 EB/Bridge	methanol
83	4-28-92	206105	7000 Highland	hydraulic oil
84	4-29-92	206198	6191 Choctaw	versal 250
85	5-1-92	206260	2736 Florida	gasoline
86	5-1-92	206273	300 Florida	2nd alarm
87	5-1-92	206298	1850 Adams	adhesive
88	5-2-92	206323	Cortana Mall	turned
89	5-2-92	206339	Dist 4-City Police	gasoline
90	5-4-92	206421	I-110 NB	lime
91	5-4-92	206441	I-10 WB at College	motor oil
92	5-6-92	206544	Essen and Hennessey	gasoline
93	5-6-92	206563	20269 Highland	propane
94	5-6-92	206556	3676 Government	gasoline
95	5-6-92	206578	632 N. Acadian E.	nat gas
96	5-7-92	206599	BR Metro	alert 2
97	5-7-92	206623		nat gas
98	5-8-92	206666	I-10 WB Port Allen	comp. gas
99	5-9-92	206737	2343 Terrace	exp. coke bottles
100	5-9-92	206743	101 Airline	chem exp

TABLE 15 (CONTINUED)  
BATON ROUGE FIRE DEPARTMENT  
HAZARDOUS MATERIAL SPILL LOGS

NO.	DATE	RUN #	LOCATION	DESCRIPTION
† <sup>D13</sup> 101	5-10-92	252596	Schuylkill Metals	asst. drums
102	5-11-92	206811	356 East Blvd	nat gas
103	5-12-92	206874	S. Flannery @ Florida	water spill
104	5-12-92	206911	6440 Raulins	sulfate turpentine
105	5-13-92	206923	1220 Havenwood	gasoline
106	5-13-92	206965	4200 Plank/3600 Sherwood	toluene
107	5-15-92		2332 Florida	natural gas
108	5-15-92	20735	2571 Lark	nat gas
109	5-15-92	207042	7900 S. River Rd	unk substance
110	5-16-92	207093		oil Spill
111	5-16-92	207105	400 Airline	coke
112	5-16-92	252705	Hi Nabor Gro Jones Creek Rd	gasoline
113	5-16-92	207104	750 Parlange	2nd alarm
114	5-18-92	207211	1279 N. Acadian E.	oil fire
115	5-18-92	207227	9200 Jefferson	nat gas
116	5-19-92		Tom Dr & N. Airway	urethane
117	5-20-92	207312	13431 Tiger Bend	assorted chemicals
118	5-22-92	207400	9550 Airline	unk haz mats
119	5-22-92	207404	700 Sharp	nat gas
120	5-22-92	207402	7645 Blendon	nat gas
121	5-23-92	207450	1400 Airline	diesel
122	5-29-92	207756	5466 Telesmar	soda ash
123	5-30-92	207806	2227 Pochahontas LA Oil Recyc	oil spill
124	6-2-92	207976	37200 Greenwell Springs Rd	MVA gasoline
125	6-3-92	207983	8860 Highland	gasoline
126	6-3-92	208034	N Riverside & Woodrow	18 wheeler in house
127	6-5-92	208103	Greenwell Springs & Victoria	diesel
128	6-5-92	208113	Florida & S. Ardenwood	MVA oil spill
129	6-5-92	208129	333 Chippewa	gasoline
130	6-6-92	208159	808 N. 36th	2nd alarm fire
131	6-6-92	208164	600 S. Lakeshore	unknown "paint"
132	6-6-92	208177	11795 Jefferson Hwy	acetic anhydride
133	6-7-92	208226	8800 Highland	gasoline
134	6-7-92	208238	Rhone Poulenc	catechol
135	6-8-92	208280	I-10 WB @ Ascension	molten sulfur
136	6-9-92	253229	Brooklawn	acetone
137	6-10-92		Metro Airport	alert 1
138	6-11-92	208491	Plank & Blount	MVA fatality, diesel
139	6-12-92	208505	I-110 & College	leaking tank
140	6-12-92	208528	I-110 South .25 Government	diesel
141	6-13-92	208587	I-10 & I-12 split	diesel
142	6-16-92	208764	Greenwell Spr & Monterrey	stuccolite
143	6-16-92	208781	2158 General Jackson	acetylene

TABLE 15 (CONTINUED)  
BATON ROUGE FIRE DEPARTMENT  
HAZARDOUS MATERIAL SPILL LOGS

NO.	DATE	RUN #	LOCATION	DESCRIPTION
144	6-18-92	208839	I-10 & Dalrymple	18 wheeler leak
145	6-19-92	208904	5521 McClelland	diesel
146	6-19-92	208906	Airline and Winborne	diesel
147	6-19-92	208928	1211 Carrollton	nat gas
148	6-21-92	209049	Harding Blvd & Clark activity	nat gas
149	6-21-92	209063	T H Delpit & E. Roosevelt	2nd alarm fire
150	6-24-92	209186	2078 N. Sherwood	gas leak
151	6-24-90	209195	I-10 EB Perkins	waste water
152	6-25-92	209244	440 Royal St	gas leak
153	6-26-92	209306	1900 blk Scenic	transformer oil no PCBs
154	6-26-92	209332	McClung & Wyoming	2nd alarm apt fire
155	6-27-92	209333	3000 Wyoming	acetylene bottle
156	6-27-92	209341	9430 Jackie Cochran	alert 2 airport
157	6-27-92	209371	11941 Richcroft	4 unknown drums
158				
159				
160	6-28-92	209393		fire-paint thinners
161	6-28-92	253663	13742 Gentilly	chlorine
162	6-29-92	209464	2227 Scenic	gasoline
163	7-2-92	209637	16031 Greenwell Spr Rd	MVA
164	7-2-92	209640	650 Moore	nat gas leak
165	7-2-92	209645	North Blvd @ S. 17th	nat gas
166	7-7-92	209919	8047 Nouvelle Ct	odor
167	7-7-92	209927	219 Friar Tuck	propane
168	7-10-92	210102	7625 Scenic Hwy	gasoline
169	7-10-92	210105	3236 Woodbrook	propane
170	7-13-92	210288	11007 Major Oak	nat gas leak
171	7-14-92	253968	6565 Exchequer	pesticide-calcium hypochloride
172	7-15-92	210414	2559 Plank Rd	nat gas
173	7-16-92	210465	1200 Government	gasoline
174	7-16-92	210525	3289 Highland	gasoline
175	7-18-92	210595	Metro Airport	alert 1
176	7-18-92	210615	6565 Exchequer	ref 253968
177	7-20-92	210690	3700 Greenwell Sprgs Rd	diesel
178	7-21-92	210748	I-10 EB at split	petroleum resin
179	7-21-92	210757	I-110 NB at Fuqua	petroleum resin
180	7-21-92	210766	I-10 EB at Dalrymple	PVC resin
181	7-22-92	210831	4728 Tigerland	transformer oil
182	7-23-92	210832	I-110 WB @ split	diesel
183	7-23-92	210838	I-110 Bridge WB	diesel
184	7-25-92	210980	I-10 EB @ Washington	diesel
185	7-25-92	211008	6550 Scenic	petroleum oil

TABLE 15 (CONTINUED)  
BATON ROUGE FIRE DEPARTMENT  
HAZARDOUS MATERIAL SPILL LOGS

NO.	DATE	RUN #	LOCATION	DESCRIPTION
186	7-26-92	211018	I-10 WB @ Acadian	diesel
187	7-26-92	211058	Florida & Flannery	nat gas
188	7-27-92	211076	I-110 SB @ Chippewa	diesel
189	7-28-92	211140	1143 N. Donmoor	propane
190	7-28-92	211157	I-10	unk substance
191	7-29-92	211204	1400 Curtis	gasoline odor
192	7-31-92	211294	Alert 2/Metro Airport	small craft
193	8-3-92	211502	9312 Highland Garden	nat gas
194	8-4-92	211555	2324 South Acadian	lacquer thinner
195	8-5-92	211579	I-10/I-12 split	unk leak
196	8-5-92	211605	Morel St	oil
197	8-6-92	211694	19 Fraternity Lane	nat gas
198	8-7-92	211731	2nd alarm/8970 Trudeau	2nd
199	8-7-92	211735	2160 Ovid	Freon 502
200	8-8-92	211787	Miss. Riv/below bridge	naptha
201	8-10-92	254521	Flannery & Shamrock Gardens	diesel
202	8-12-92	212061	12888 Florida Blvd	investigation
203	8-12-92	212024	Earl Gross	nat gas
204	8-14-92	212138	11548 Old Hammond Hwy	gasoline
205	8-17-92	212318	I-110 Bridge to Acadian	diesel
206	8-18-92	212419	2055 Sorrel	anhydrous ammonia
207	8-22-92	212561	12537 Scenic	methanol
208	8-24-92	212693	Woodale & Florida	transformer oil
209	8-25-92	212718	Gardere & S. River Road	brime
210	8-25-92	212767	314 Shelby	nat gas
211	8-25-92	212768	4924 Crown	nat gas
212	8-25-92	212807	1050 Baird	nat gas
213	8-26-92	212849	200 W. Parker	nat gas
214	8-26-92	212875	2250 Broussard	nat gas
215	8-26-92	212937	694 Harry	transformer oil
216	8-26-92	212939	5715 Lemonwood	nat gas
217	8-27-92	213001	Formosa Plastic Road	nat gas
218	8-28-92	213192		transformer oil
219	8-29-92	213240	7515 Perkins	diesel
220	8-29-92	213321	1400 Airline	diesel
221	8-30-92	213398	3216 Duke	nat gas
222	9-1-92	213481	3140 Jessamine	transformer oil
223	9-2-92	213557	Sherwood Forest & I-12	diesel
224	9-2-92	213564	9435 Goodwood	nat gas
225	9-2-92	213570	Metro Airport	alert 2
226	9-2-92	213582	1735 Choctaw Ct	transformer oil
227	9-4-92	213717	5711 S. Sherwood Forest	diesel
228	9-4-92	213716	6703 Renoir	oil

TABLE 15 (CONTINUED)  
BATON ROUGE FIRE DEPARTMENT  
HAZARDOUS MATERIAL SPILL LOGS

NO.	DATE	RUN #	LOCATION	DESCRIPTION
229	9-4-92		I-10 WB @ Louise	box trailer fire
230	9-6-92	213912	739 S. 16th	gasoline
231	9-8-92	214000	5313 Nicholson	gasoline
232	9-8-92	255319	13770 Old Hammond	gasoline
233	9-8-92	214036	2446 Amarillo	nat gas
234	9-8-92	214053	I-10 @ Miss River Bridge	diesel
235	9-9-92	214072	1155 N. 40th	abandoned drums
236	9-9-92	214099	827 St. Louis	nat gas
237	9-10-92	214150	1330 Plank	diesel
238	9-10-92		Metro Airport	alert 1
239	9-11-92	214213	Hwy 1131/Zachary	nat gas
240	9-12-92	214247	3 Oak Alley	nat gas
241	9-12-92	255399	Greenwell Spr @ Flannery	gasoline
242	9-16-92	214496	2535 Perkins	squirrel kill
243	9-18-92	214618	604 Chevelle	nat gas
244	9-18-92	214640	Metro Airport	alert 2
245	9-18-92	214649	I-10 @ College	diesel
246	9-21-92	214797	S. Sherwood Forest	nat gas
247	9-21-92	214798	I-110 SB @ Government	diesel
248	9-21-92	214805	1557 McCallop	diesel
249	9-21-92	214820	8000 Plank rd	diesel
250	9-21-92	214828	Allied Signal	HF, HCL
251	9-21-92	214831	Southern University	charred rice
252	9-22-92	214854	Metro Airport	alert 2
253	9-23-92	214954	Govt off ramp/I-110	diesel
254	9-25-92	214061	5695 Greenwell Sprgs	nat gas
255	9-28-92	215177	6114 Park Forest	nat gas
256	9-28-92	215186	I-12 WB @ O'Neal	unk subst
257	9-28-92	255732	6990 Siegen	unk irritant
258	9-28-92	215211	Formosa Plastics	furnace explo
259	10-1-92	215329	Baker	diesel
260	10-1-92	215383	7838 Airway	oil spill
261	10-2-92	215395	6100 Park Forest	nat gas
262	10-2-92	215412	4775 Ford	nat gas
263	10-3-92		Metro Airport	alert 3
264	10-3-92	215492	Blvd DeProvidence	acid
265	10-5-92	215585	Armstrong	nat gas
266	10-7-92	215684	1722 Beaumont	nat gas
267	10-8-92	215754	1540 Choctaw	nat gas
268	10-11-92	215914	I-10 EB Past LSU lakes	battery acid
269	10-12-92		Metro Airport	alert 2
270	10-18-92		Metro Airport	alert 1
271	10-21-92	216442	I-110 @ Main	hydraulic oil



TABLE 15 (CONTINUED)  
BATON ROUGE FIRE DEPARTMENT  
HAZARDOUS MATERIAL SPILL LOGS

NO.	DATE	RUN #	LOCATION	DESCRIPTION
272	10-22-92	216494	1300 E. Washington	unk oily subst
273	10-22-92	216496	1660 Fraternity	unk odor
274	10-22-92	216509	9374 Old Hammond	2nd alarm
†275	10-23-92	216536	8885 Highland	gasoline
276	10-24-92	216642	Glasgow Middle School	2nd alarm
277	10-29-92	216875	12540 Choctaw	hydraulic oil
278	11-5-92	256569	I-10 WB at Siegen	silicon tetrafluoride
279	11-10-92	217600	3795 Perkins	unknown odor
280	11-11-92	217645	4647 E. Brookstown	nat gas
281	11-11-92	217685	270 Staring lane	nat gas
282	11-12-92		LSU	electrical short
283	11-13-92	217797	Canal and North	2nd alarm
284	11-14-92	217853	5725 Prescott	nat gas
285	11-14-92	217875	3800 Nth 38th	2nd alarm
286	11-15-92	217898	8155 Rainbow	propane
287	11-17-92	217988	I-10 WB @ College	gasoline
288	11-20-92	218152	141 E. Boyd	propane
289	11-21-92	218202	11300 Boardwalk	Dexros II
290	11-25-92	218433	Scenic & Mengal	nat gas
291	11-25-92	218439	2813 Bell Cherie	unknown odor
292	11-27-92	218512	2343 McBan Circle	nat gas
293	11-27-92	218560	1770 72nd Ave	nat gas
294	11-29-92	218652	College & Baywell	burning dirt
295	11-30-92	218715	5467 N. Foster	Gasoline
296	12-2-92	218808	7843 Seven Oaks	nat gas
297	12-3-92	257159	16959 Stevendale	burning tanks
298	12-4-92	218949	Gulf States Road	turned
299	12-9-92	219194	242 Main	unk odor
300	12-12-92	219387	8455 Airline	diesel
301	12-15-92	219609	10520 /Choctaw	polyethylene
302	12-17-92	219696	1800 Woodale	Curing compound
303	12-21-92	219895	Metro Airport	Alert 1
304	12-21-92	219899	6577 Van Gogh	hydraulic oil
305	12-21-92	219938	2151 North 3rd	dichlorofluoromethane
306	12-25-92	220205	Rodney Drive	2nd alarm
307	12-29-92	220340	241 Edison	turned
308	12-31-92	220420	2324 Acadian	anti-freeze
309	12-31-92	220426	9494 Greenwell Sprgs Rd	diesel

1991

1	1-1-91	100046	1400 Airline	caustic
---	--------	--------	--------------	---------

TABLE 15 (CONTINUED)  
BATON ROUGE FIRE DEPARTMENT  
HAZARDOUS MATERIAL SPILL LOGS

NO.	DATE	RUN #	LOCATION	DESCRIPTION
2	1-2-91	100098	I-110 @ Evangeline	trans fluid
3	1-4-91	100160	1450 Lila	methane
4	1-6-91	100269	5500 Essen Lane	kaolin clay
5	1-7-91	100318	4759 Earl Gross	2nd alarm
6	1-7-91	100320	740 Chimes	2nd alarm
7	1-10-91	100421	8000 GSRI	smoke
8	1-11-91	100461	2655 N. Foster	diesel
9	1-13-91	100555	802 Francis Harriet	natural gas
10	1-13-91	100557	2919 Varsity	nat gas
11	1-18-91	100780	6030 Airline	18 wheeler fire
12	1-21-91	100861	Airline N - S of I-12	unk liquid
13	1-21-91	100903	4835 Adams	smoke
14	1-22-91	100917	230 Holiday Park	propane
15	1-23-91	100958	6722 Bicentennial	nitrogen dioxide
16	1-24-91	101041	969 Monet	2nd alarm
17	1-25-91	101040	13900 S. Harrells Ferry	gasoline
18	1-25-91	101044	Adams & N. Foster	bldg fire
19	1-26-91	101108	Peairs Rd/E. Joor	abandoned drum
20	1-27-91	101152	6923 Airline	diesel
21	1-28-91	101177	462 LSU Place	trichlorofluoromethane
22	1-29-91	101217	2900 Harding	diesel
23	1-29-91	101231	7075 Airline	styrene, orthoxylene, cinude
24	1-29-91	101249	4200 Essen	exhaust fumes
25	1-30-91	101255	6782 Rembrandt	gasoline
26	2-1-91	101345	I-110 NB at Scenic	BFI-nonhazardous
27	2-2-91	101400	4012 Mimosa	turpentine
28	2-6-91	101560	Southern University	asbestos
29	2-6-91	101533	I-10 & Sherwood Forest	gasoline
30	2-6-91	101561	Miss River Levee	black smoke
31	2-7-91	101589	1555 Madison	unk odor
32	2-7-91	101595	Southern Univ-bldg 90	nat gas leak
33	2-8-91	101639	Airline & old Miss bridge	tank car leak
34	2-9-91	101712	1516 Jordan	roof shingles
35	2-10-91	101755	1400 Airline	benzene & styrene
36	2-12-91	101814	Old Miss River Bridge	unk black subst
37	2-13-91	101850	N 32nd & Bogan walk	nat gas
38	2-13-91	101868	5407 Hooper	odor in bldg
39	2-14-91	101910	2060 O'Neal	transformer oil
40	2-15-91	101946	Airline Hwy	warehouse fire
41	2-15-91	101945	355 Kay	comp gas cylinders
42	2-15-91	101965	Burbank and Gardere	haz waste samples

TABLE 15 (CONTINUED)  
BATON ROUGE FIRE DEPARTMENT  
HAZARDOUS MATERIAL SPILL LOGS

NO.	DATE	RUN #	LOCATION	DESCRIPTION
43	2-16-91	102026	9862 Ave L	gasoline
44	2-16-91	102029	18811 Highland	chlorine bleach mix
45	2-17-91	102054	3027 Woodland Ridge	nat gas
46	2-19-91	102130	2301 Main	diesel
47	2-21-91	102210	8686 General Chennault	gasoline
48	2-21-91	102212	3222 Nicholson	MVA
49	2-21-91	102264	1600 Mason	aban drum
50	2-22-91	102266	4810 Underwood	nat gas
51	2-22-91	102275	1000 Brickyard Alley	drums
52	2-25-91	102416	I-110 EB-Acadian & College	volclay
53	2-27-91	102467	I-110 SB-Harding & Acadian	MVA
54	2-28-91	102517	3875 Byron	mercaptan
55	3-1-91	102576	Phone Poulenc	SO <sub>2</sub>
56	3-1-91	102599	100 N. Foster	nat gas
57	3-5-91	102771	1840 Alabama	strong odor
58	3-8-91	102866	6200 Airline	diesel
59	3-8-91	102898	Hwy 19 & Blount Rd	vapor cloud (sand)
60	3-13-91	103161	Spanish Town & North 9th	2nd alarm
61	3-20-91	103465	3401 Plank	gas leak
62	3-21-91	103518	Perkins & Lee	hydraulic oil
63	3-21-91		LA1-Addis	glycol ether
64	3-21-91	103532	I-110 @ North St	"LSS" animal feed
65	3-26-91	103729	I-110 NB at Harding	synthetic oil
66	3-26-91	103738	2044 Maryland	nat gas
67	3-27-91	103840	Plank & Guice	polymer
68	3-27-91	103790	I-110 & N 9th	gasoline
69	4-1-91	104059	Woodland Ridge Episcop High	2nd alarm
70	4-3-91	104163	I-12 and Amite River	truck fire
71	4-4-91	104184	420 Wylie	radioactive
72	4-4-91	104192	Shadow & Sanchez	hydrocarbon leak
73	4-6-91	104320	St Francis Brushy	HCL
74	4-7-91	104334	1421 Mengel Rd	nat gas
75	4-7-91	104339	1214 N. 38th	nat gas
76	4-8-91	104339	9196 S. Choctaw	oil spill
77	4-10-91	104485	Ardenwood & Renoir	MVA oil spill
78	4-17-91	104739	I-10 & Perkins	sodium Hydroxide
79	4-17-91	104803	9100 Old Hammond	nat gas
80	4-19-91	104927	3900 Gourrier	acid cloud
81	4-26-91	105235	Glen Oaks High	chem lab
82	5-2-91	105465	E. Blvd & Government	unk
83	5-2-91	105466	3961 Gus Young	nat gas
84	5-2-91	105476	11814 Coursey	nat gas
85	5-3-91	105527	Airline Hwy/W. Cortana	PVC powder

TABLE 15 (CONTINUED)  
BATON ROUGE FIRE DEPARTMENT  
HAZARDOUS MATERIAL SPILL LOGS

NO.	DATE	RUN #	LOCATION	DESCRIPTION
86	5-4-91	105600	Essen & I-10	nothing found
87	5-4-91	105608	1125 Briaridge	barium chloride
88	5-4-91	105610	Miss River/downtown	toluene
89	5-5-91	105646	9787 Horseshoe Bend	unk subst
90	5-8-91	105779	3727 Sycamore	nat gas
91	5-10-91	105874	S. River Road	dripolene
92	5-11-91	105948	1075 Cinclare	hydrogen chloride
93	5-12-91	105973	273 Woodpecker	nat gas
94	5-13-91	106011	220 W. Harrison	nat gas
95	5-13-91	106022	1605 N. 15th	nothing found
96	5-14-91	106058	Winbourne & N. Foster	diesel
97	5-14-91	106061	600 N. 12th	garbage truck
98	5-14-91	106100		diesel
99	5-15-91	106119	1205 W. Chimes	mercaptan
100	5-16-91	106176	N. 20th & Gracie	55 gal drums
101	5-17-91	106230	1435 Chippenham	nat gas
102	5-18-91	106301	I-10 EB/Highland	propane
103	5-22-91	NRN	10220 Florida	nat gas
104	5-22-91	106491	2706 N. Acadian	captan
105	5-23-91	106513	Scenic & Mengal Rd	unk subst
106	5-24-91	106558	North St & N. 13th	diesel
107	5-27-91	106739	1520 S. Eugene	nat gas
108	5-28-91	106750	8000 GSRI	hydrogen
109	5-29-91	106818	2700 Chippewa	nat gas
110	5-30-91	106866	N. 22nd & North	oil
111	5-30-91	106870	Florida & Sherwood Forest	oil spill
112	6-4-91	152563	Hwy 61 & Mt. Pleasant	diesel
113	6-5-91	10780	Harrels Ferry	gasoline
† <sup>16</sup> 114	6-5-91	107212	7931 One Calais	gasoline
115	6-5-91	107244	Gardere Lane	nat gas
116	6-7-91	107356	6778 Harry	3 alarm
117	6-8-91	107359	I-10 WB @ College	hydraulic oil
118	6-8-91	107365	I-10 NB @ Chippewa	unk subst
119	6-8-91	107400	3251 Alliquippa	gasoline/nat gas
120	6-11-91	107506	1000 Spanish Town	nat gas
† <sup>16</sup> 121	6-13-91	107601	Essen & One Calais	gasoline
122	6-14-91	107649	558 Roselawn	incinerator smoke
123	6-14-91	152742	5715 Jones Creek	propane
124	6-14-91	107709	1600 Carny Road	anhydrous ammonia
125	6-14-91	107698	Miss Riv/France St	barge fire
126	6-15-91	107712	124 Oklahoma	nat gas
127	6-15-91	107718	11055 Tams	nat gas
128	6-17-91	107828	Siegen & I-10	Nalco 7533

TABLE 15 (CONTINUED)  
BATON ROUGE FIRE DEPARTMENT  
HAZARDOUS MATERIAL SPILL LOGS

NO.	DATE	RUN #	LOCATION	DESCRIPTION
129	6-19-91	107925	I-10 WB & Dalrymple	diesel
130	6-21-91	108009	142 N. 18th	perchloroethylene
131	6-21-91	108014	853 Mallard	polyethylene pellets
132	6-21-91	108008	Government & E. Blvd	fecal mat
133	6-22-91	108069	3239 Chippewa	nat gas
134	6-24-91	108157	Victoria & Airline	nat gas
135	6-24-91	108184	1091 Swan	nat gas
136	6-24-91	108185	9555 Elm Grove Gardens	nat gas
137	6-25-91	108254	E. Airport & N. Parkland	nat gas
138	6-27-91	108333	4306 Rhoda	asst. gas
139	6-29-91	108415	10547 Airline	gasoline
140	7-4-91	108703	3622 Sherwood	nat gas
141	7-11-91	109067	7110 Airline	transformer oil
142	7-11-91	109071	Myrtle & S. 17th	transformer oil
143	7-11-91	153218	6735 Airline	propyl mercaptan
144	7-16-91	109304	I-110 @ Govt St exit	diesel
145	7-17-91	109378	I-110 & Evangeline	lime
146	7-19-91	109474	Perkins & Hyacinth	diesel
147	7-20-91	109543	6777 Rembrandt	raw sewage
148	7-24-91	109739	3500 Ridgecrest	nat gas
149	7-24-91	109744	426 Evergreen	nat gas
150	7-25-91	109778	3258 Murphy	freon
151	7-25-91	109783	Miss Riv @ Exxon	unk hydrocarbon
152	7-26-91	109807	7075 Airline Hwy	2nd alarm
153	7-26-91	109824	1555 Scenic	nat gas
154	7-28-91	109956	2926 Gardere	brine water
155	7-30-91	110010	LSU Stadium	pos. PCB oil
156	7-30-91	110017	I-10 at Louise	petroleum naptha
157	7-31-91	110039	F Street & Farmer	unknown
158	8-2-91	110154	7236 Goodwood	nat gas
159	8-3-91	110213	11581 Auburn	house fire
160	8-3-91	110223	750 Florida	odor
161	8-5-91	110325	Siegen & Perkins	nat gas
162	8-5-91	110365	5670 Evangeline	gasoline
163	8-9-91	110498	3164 Plank	ballast
164	8-9-91		E. Robinhood & Stockton	nat gas
165	8-9-91	110510	2956 Nicholson	diesel
166	8-16-91	110824	300 W. I-10	nothing found
167	8-18-91	110944	12164 Armstrong	nat gas
168	8-18-91	110967	Aster and Alaska	transformers
169	8-21-91	111083	Bluebonnet & I-10	caustic soda
170	8-21-91	111080	N/A	nat gas
171	8-23-91	111174	1268 Choctaw	tank fire

TABLE 15 (CONTINUED)  
BATON ROUGE FIRE DEPARTMENT  
HAZARDOUS MATERIAL SPILL LOGS

NO.	DATE	RUN #	LOCATION	DESCRIPTION
172	8-23-91	111185	200 E. Roosevelt	nat gas
173	8-24-91	111224	9894 Ave K	odor
174	8-27-91	111340	312 E. Johnson	nat gas
175	8-30-91	111477	2151 Mariner	gasoline
176	8-31-91	111539	EB New Miss Riv bridge	latex
177	9-3-91	111682	Tower Dr/LSU	odor
178	9-7-91	111875	11982 Florida	gasoline
179	9-7-91	111883	14th & Spanish Town	2nd alarm
180	9-8-91		E. Airport	nat gas
181	9-9-91	111981	235 Cora	bldg fire
182	9-11-91	112072	6032 Arden Place	gasoline
183	9-12-91	112093	2443 S. River Road	unk corrosive
184	9-12-91	112102	5753 Comish	nat gas
185	9-15-91	112287	13743 Buckley	comp gas cyl
186	9-18-91	112438	ICG Railyard	tetrahydrofuran
187	9-19-91	154442	7580 Bluebonnet	gasoline
188	9-19-91	112501	Florida @ Foster	nat gas
189	9-20-91	112523	I-110 NB @ Capital Access	MVA
190	9-20-91	112542	356 Louise	nat gas
191	9-20-91	112565	New Bridge	MVA 18 wheeler
192	9-21-91	112585	2638 Mason	trash fire
193	9-21-91	112608	Miss Riv	sheen
194	9-23-91	112710	2653 Plank	2nd alarm
195	9-25-91	112790	10737 Old Hammond	nat gas
196	9-26-91	112842	2333 Chippawa	abandoned drums
197	9-26-91	112840	Choctaw at railroad	MVA & train
198	9-27-91	112866	9444 Choctaw	fire
199	10-1-91	113059	10365 S. Perdue	odor
200	10-2-91	113096	2700 N. Acadian	gasoline
201	10-3-91	113148	2667 S Dual	odor
202	10-6-91	113303	17000 Medical center	chem spill
203	10-11-91	113531	140 Riverside Mall	tear gas
204	10-11-91	113549	524 W. foster	chem fire
205	10-15-91	113758	3516 N. Sherwood	pesticide
206	10-17-91	113839	I-10 Bridge @ River Road	barge fire
207	10-17-91	113845	Burbank S/Lee	acetylene
208	10-18-91	113881		nat gas
209	10-18-91	113897		H <sub>2</sub> S
210	10-19-91	113938	2533 Hollywood	nat gas
211	10-22-91	114036	I-12 WB at Millerville	Super Seal 444
212	10-22-91	114072	I-12 @ Airline	diesel
213	10-22-91	114096	Hammond Aire Shopping Ctr	natural gas
214	10-24-91	114171	2065 Pocahontas	quick lime



TABLE 15 (CONTINUED)  
BATON ROUGE FIRE DEPARTMENT  
HAZARDOUS MATERIAL SPILL LOGS

NO.	DATE	RUN #	LOCATION	DESCRIPTION
215	10-28-91	114384	1925 Riverside North	LOX
216	10-29-91	114438	Choppin Hall - LSU	nitric acid
217	10-31-91	114535	5500 Greenwell Springs	trans fluid
218	10-31-91	114541	12000 blk Coursey	muriatic acid
219	11-2-91	114650	I-110 North @ Capital Access	false alarm
220	11-5-91	114814	4748 Airline	propane
221	11-5-91	114828	N. Foster & Florida	diesel
222	11-8-91	114933	I-12 @ Sherwood Forest	corrosive
223	11-10-91	115074	Florida @ 22nd	transmission fluid
224	11-19-91	115532	14643 Greenwell Springs	asphalt emul
225	11-19-91	115559	4020 West Lakeshore	smoke bomb
226	11-21-91	115632	2055 Woodale	nat gas
227	12-6-91	116372	307 Choctaw	garbage
228	12-10-91	116547	I-12 EB @ Sherwood Forest	transformer
229	12-11-91	116622	250 Field House	2nd alarm
230	12-12-91	116644	N. Sherwood Fst & Greenwell Spr	diesel
231	12-14-91	116800	I-12 @ O'Neal	oil spill
232	12-15-91	116807	GSU Rd @ Formosa Plastics	steam exp
233	12-16-91	156076	10300 Perkins	nat gas
234	12-17-91	116949	6630 Exchequer	abandoned cont
235	12-23-91	117260	Mills Ave & RR tracks	MVA
236	12-26-91	117460	4066 Gourrier	unk subst
237	12-27-91	117500	I-110 SB @ North St	hydrated lime
238	12-27-91	117512	1400 blk Airline	MVA
239	12-29-91	117597	4915 Alvia Dark	unk gas
240	12-30-91	117620	4915 Alvia Dark	unk odor
241	12-30-91	117626	3867 Choctaw	diesel
242	12-30-91	117688	5821 McCann	nitrogen

1990

CODE LIST

1	1-7-90	Code 10	Exxon	unk hydrocarbons
2	1-18-90	Code 10	Copolymer	rubber
3	2-10-90	Code 10	Exxon Ref	gasoline
4	2-13-90	Code 10	Placid	
5	2-20-90	No Code Given		ExxonH <sub>2</sub> S
6	2-21-90	No Code Given		Formosa
	vinyl chloride			

TABLE 15 (CONTINUED)  
BATON ROUGE FIRE DEPARTMENT  
HAZARDOUS MATERIAL SPILL LOGS

NO.	DATE	RUN #	LOCATION	DESCRIPTION
HAZ MAT RUNS				
1	1-3-90	920118	5153 Prescott	gasoline
2	1-4-90	920142	10567 Florida	nat gas
3	1-4-90	920168	10 Fraternity Lane	2nd alarm
4	1-7-90	920264	2550 Madison	unk odor
5	1-7-90	920278	3186 Highland (#11)	unk odor
6	1-8-90	920301	1031 Julia	dust rec accum
7	1-9-90	92039	1175 Choctaw	hydrated alumina
8	1-9-90	920343	2400 Riverside	aluminum calcined
9	1-9-90	920345	1720 Nicholson	propane
10	1-9-90	920351	Airline & Evangeline	diglycolamine
11	1-10-90	920359	Crown & Beechwood	gasoline
12	1-10-90	920396	14810 Florida	nat gas
13	1-11-90	920465	2313 S. Acadian	gasoline
14	1-13-90	920558	1500 Rosenwald	nat gas
15	1-15-90	920673	3361 Towa	3rd alarm
16	1-16-90	920688	2400 Highland	turned
17	1-17-90	920765	100 River Road	unk powder
18	1-18-90	920782	6440 Rawlinas	trichloroethane
19	1-19-90	920837	Mills & Scenic	nat gas
20	1-21-90	920911	7100 Antioch	nat gas
21	1-22-90	920956	72nd Ave	nat gas
22	1-23-90	920988	Stevendale at RR	invest
23	1-23-90	920990	7900 Scenic	steam
24	1-25-90	921072	4045	unk odor
25	1-25-90	921085	1650 Blount	green substance
26	1-26-90	921117	1934 Spain	nat gas
27	1-26-90	921133	I-10 WB/bridge	pendimethalin
28	1-26-90	921130	2443 River Rd	unk mist
29	1-29-90	921234	14000 Scenic	polyethylene
30	2-6-90	921553	Seigen at Reign Rd	nat gas
31	2-7-90	921587	Greenwell Spring Rd	MVA
32	2-7-90	921600	I-110 WB Ramp	diesel
33	2-9-90	921657	214 Woodgate	unk odor
34	2-10-90	921672	Neosho near Sorrel	tar
35	2-13-90	921819	2405 71st	nat gas
36	2-17-90	921980	5105 Myrtle	unk subst
37	2-19-90	922052	Nicholson & W. Lee	comp air
38	2-20-90	922087	1283 Parlange	hyd oil
39	2-20-90	922114	1809 Applewood	hydrogen chloride
40	2-20-90	922118	I-10 @ Siegen EB	parafin solvent

TABLE 15 (CONTINUED)  
BATON ROUGE FIRE DEPARTMENT  
HAZARDOUS MATERIAL SPILL LOGS

NO.	DATE	RUN #	LOCATION	DESCRIPTION
41	2-21-90	922142	4400 Choctaw	diesel
42	2-21-90	922156	333 Kay	"freon"
43	2-22-90	922210	Baker High	nat gas
44	2-23-90	922211	I-10 Bridge EB	nothing found
45	2-23-90	922220	I-12 WB btwn Drusilla & Airline	diesel
46	2-23-90	922235	Scenic & Thomas	diesel
47	2-24-90	922267	3122 N. Foster	nothing found
48	2-24-90	922269	5442 Jackson	house fire
49	2-28-90	922418	I-10 EB	gasoline
50	3-7-90	922685	1447 N 38th	nat gas
51	3-8-90	922727	2300 Virginia	nat gas
52	3-9-90	922762	LA61 north of LA64	nitrogen
53	3-12-90	922897	111231 Cypress Glen	unk (pollen)
54	3-17-90	923110	Hwy 19 & Thomas Rd	nat gas
55	3-17-90	923127	3404 Canonicus	nat gas
56	3-20-90	923272	200 Lakecrest	unk odor
57	3-22-90	923342	Old Jefferson & Tiger Bend	unk comp gas
58	3-23-90	923405	N Foster & Adams	oil
59	3-27-90	923540	10700 Old Hammond Hwy	unk odor
60	4-3-90		1800 Wisteria	nothing found
61	4-4-90	923871	226 W. State St	invest. odor
62	4-5-90	923934	3075 Valley	nat gas
63	4-5-90	923941	1798 N. Foster	oil sheen
64	4-5-90	923943	9145 Delmar	malathion
65	4-7-90	923997	9800 Old Hammond	nat gas
66	4-7-90	923998	1509 Thomas H. Delpit	nat gas
67	4-8-90	924038	2112 Winbourn	u.k. substance
68	4-8-90	924050	Lobelia St	nat gas
69	4-9-90	924104	I-10 foot of new bridge	diesel
70	4-11-90	924209	12110 Old Hammond	gasoline
71	4-16-90	924410	3301 Wimbish	unk irritant
72	4-16-90	924408	9526 Cortana Place	unk chemical
73	4-17-90	924437	4764 Aldrich Drive	transformer oil
74	4-18-90	924475	10111 Gwenadell	nat gas
75	4-19-90	924511	7800 Tom Drive	investigation
76	4-19-90	924516	8424 Florida	diesel
77	4-21-90	924613	661 Bienville	nat gas
78	4-22-90	924653	2300 Scenic	oil
79	4-23-90	924697	1202 Glasgow	muratic acid
80	4-24-90	924710	1000 N 31st	nat gas
81	4-25-90	924748	Hwy 190 @ bridge	dock fire
82	4-25-90	924755	Formosa Plastics	HCL

TABLE 15 (CONTINUED)  
BATON ROUGE FIRE DEPARTMENT  
HAZARDOUS MATERIAL SPILL LOGS

NO.	DATE	RUN #	LOCATION	DESCRIPTION
83	4-26-90	924779	3745 Choctaw	gear oil
84	4-26-90	924784	Airline & S. Choctaw	diesel
85	4-26-90	924800	12558 S. Choctaw	asst chemicals
86	4-26-90	924808	I-12 EB	spent catalyst
87	4-27-90	924827	Coursey & Airline	gasoline
88	4-27-90	924860	5755 Choctaw	mercaptan
89	4-30-90	924972	555 E. Johnson	nat gas
90	5-1-90	925006	788 Mouton	nat gas
91	5-2-90	925050	Hwy 19	nat gas
92	5-2-90	925071	3700 E. Brookstown	gasoline
93	5-7-90	925266	5481 Jefferson	nat gas
94	5-7-90	925278	Airline @ Florida	methanol
95	5-8-90	N/A	26th St	nat gas
96	5-9-90	925343	Hwy 67	diesel
97	5-10-90	925398	2300 Scenic	arson fire
98	5-13-90	925498	Scenic & Prescott	odor
99	5-15-90	925570	2945 Michelli	unk odor
100	5-15-90	925582	1914 Hemlock	nat gas
101	5-15-90	925600	1350 Choctaw	asst pressure cont
102	5-15-90	925601	Formosa Plastics	chemicals
103	5-19-90	925738	Aiarline & Sanchez	diesel
104	5-19-90	925752	Scotland & Blount	nat gas
105	5-20-90	925791	2167 W. Dual	dumpster fire
106	5-22-90	925854	5338 Jefferson	natural gas
107	5-22-90	925873	I-110 & Chippewa	water
108	5-23-90	925893	4545 Earl Gross	salt water
109	5-24-90	925939	4535 Choctaw	liq nitrogen
110	5-25-90	925944	848 N. 35th	acet bottles
111	5-25-90	925956	S. Choctaw & IC tracks	diesel
112	5-28-90	926112	72nd Ave	aerosol cans
113	5-28-90	926115		nat gas
114	5-29-90	952460	Hwy 64 & Joor	gasoline
115	5-29-90	926153	I-110 WB on Bridge	gasoline
116	5-29-90	926170	Scenic & Hollywood	gasoline
117	5-30-90	926236	Exxon Refinery	crude oil
118	6-2-90	926365	2540 Wyandotte	nat gas
119	6-3-90	926382	1721 73rd	nat gas
120	6-4-90	926435	2667 W. Dual	gas leak
121	6-6-90	926510	Colonial & Chevell Dr	nat gas
122	6-6-90	926525	10757 N. Dual	acetylene
123	6-7-90	926544	15100 Scenic - Grant Chemical	benzene
124	6-8-90	926601	1925 E. Lakeshore	phosphoric acid
125	6-12-90	926790	2351 Barber	nat gas

TABLE 15 (CONTINUED)  
BATON ROUGE FIRE DEPARTMENT  
HAZARDOUS MATERIAL SPILL LOGS

NO.	DATE	RUN #	LOCATION	DESCRIPTION
126	6-12-90	926795	Airline & Highland	hydraulic oil
127	6-13-90	926847	Gulf States Rd	MVA
128	6-18-90	927020	6000 Sullivan	transformer oil
129	6-18-90	927041	315 Woodpecker	nat gas
130	6-19-90	927081	Veterans Blvd	dicalate
131	6-22-90	927182	624 N 4th	acetic acid
132	6-23-90	927236	I-10 Dalrymple	diesel
133	6-26-90	927362	2600 Sherwood	nat gas
134	6-26-90	927369	8133 Florida	chlorine
135	6-27-90	927413	9700 Old Hammond	paint
136	6-27-90	927417	8200 Oakbrook	false alarm
137	6-27-90	927423	1500 N Harco	nat gas
138	6-27-90	927447	Essen & Perkins	gasoline
139	6-28-90	927468	Formosa Plastics	heart attack
140	6-29-90	927496	11255 Boardwalk	natural gas
141	7-2-90	927621	2100 Choctaw	waste oil
142	7-7-90	927861	I-10 @ College	LPG
143	7-7-90	927864	I-10 @ College	LPG
144	7-9-90	927929	1100 Laurel	nat gas
145	7-10-90	927975	underneath old bridge	sulfuric acid
146	7-10-90	927984	556 Glen Wilde	propane
147	7-11-90	928003	2020 O'Neal Ln	diesel
148	7-12-90	928068	Airline & Cedarcrest	gasoline
149	7-12-90	928083	12633 Old Jefferson	triethanolamin
150	7-15-90	928208	1525 Beckingham	propane
151	7-15-90	928211	LA 30 @ Brightside	aluminum chloride
152	7-21-90	928445	349 Peachtree	nat gas
153	7-21-90	928446	3808 Hyacinth	propane
154	7-21-90	928458	231 S 16th	nat gas
155	7-21-90	928459	11600 Airline	coal tar
156	7-24-90	928585	11770 Airline	nat gas
157	7-25-90	928622	5035 Airline	propane
158	7-26-90	928646	Florida Blvd	diesel
159	7-28-90	928738	110 S. Foster	gasoline
160	7-31-90	928863		gasoline
161	7-31-90	928877	16352 Old Hammond	trash fire
162	8-1-90	928911	Airline & Cedarcrest	gasoline
163	8-7-90	929160	I-10 @ Bluebonnet	diesel
164	8-8-90	929204	I-10 @ new bridge	leaking truck
165	8-8-90	929222	I-10 new bridge	diesel
166	8-9-90	929225	Choctaw	TDI
167	8-9-90	929226	Scenic Hwy	nat gas
164	8-12-90	929360	7997 Plank	gasoline

TABLE 15 (CONTINUED)  
BATON ROUGE FIRE DEPARTMENT  
HAZARDOUS MATERIAL SPILL LOGS

NO.	DATE	RUN #	LOCATION	DESCRIPTION
165	8-13-90	929387	2621 N. Sherwood Forest	fiberglass resin
166	8-13-90	929391	16034 Norwick	transformer oil
167	8-13-90	929401	10470 Old Hammond	hydraulic oil
168	8-14-90	929446	7102 Greenwell Springs	nat gas
169	8-16-90	929526	6810 Baines Court	nat gas
170	8-17-90	929557	Frazier Vo-Tec	diesel
171	8-18-90	929630	112 N. Foster	propane
† 172	8-19-90	929671	9988 Florida	natural gas
173	8-20-90	929754	8366 George Cain Rd	wll fire
174	8-20-90	929743	10786 Harrells Ferry	propane
175	8-22-90	929820	1313 Progress	natural gas
176	8-23-90	929882	2227 Pocahontas	oil sludge
177	8-23-90	929889	4200 Janet	oil, water mixture
178	8-24-90	929922	LSU Life Science Bldg	acid
179	8-24-90	929930	2227 Pocahontas	follow-up on 9299882
180	8-27-90	930062	1000 Choctaw	diesel
181	8-28-90	930132	Highland & Woodleigh	hydraulic oil
182	8-28-90	930142	2265 Highland	creosote
183	8-29-90	930166	12845 Plank	anhydrous ammonia
184	8-29-90	930183	12405 Coursey	2nd alarm
185	8-30-90	930239	10530 Florida	gasoline
186	9-3-90	930454	14409 Brown Rd	bldg fire
187	9-6-90	930567	3757 Elm	empty O <sub>2</sub>
188	9-6-90	930571	1900 Highland	nat gas
189	9-7-90	930640	439 Steel Blvd	nat gas
190	9-9-90	930673	700 S. 16th	2nd alarm
191	9-11-90	930810	11633 Manorwood	abandoned acetylene cylinder
192	9-11-90	954204	1646 George O'Neal Rd	tar tank fire
193	9-11-90	930832	7389 Florida	unk odor
194	9-13-90	930896	2598 74th Ave	nat gas
195	9-16-90	931062	1323 Jim Taylor	odor
196	9-17-90	931099	2900 Winnebago	transformer leaking
197	9-17-90	931098	2900 Harding	gasoline leak
198	9-19-90	931165	I-10 Bridge	diesel
199	9-19-90	931179	7102 Greenwell Springs	odor
200	9-20-90	931220	7818 Plank	concrete cleaner
201	9-21-90	931252	510 St. Ferdinand	gasoline
202	9-22-90	931339	Essen & Perkins	diesel
203	9-24-90	931407	884 Howard	nat gas
204	9-24-90	931408	I-10 & Government	hydraulic oil
205	9-26-90	LSP Armory	265 S. Foster	fire ammunition



TABLE 15 (CONTINUED)  
BATON ROUGE FIRE DEPARTMENT  
HAZARDOUS MATERIAL SPILL LOGS

NO.	DATE	RUN #	LOCATION	DESCRIPTION
206	9-27-90	931492	1832 Beachgrouse	gasoline
207	10-2-90		16125 Florida	fire involving acetylene
208	10-3-90	931784	FD Communications	exhaust fumes
209	10-3-90	931802	3031 Alaska	natural gas
210	10-5-90	931882	17123 Hooper Rd	fire
211	10-6-90	931911	16545 Florida	diesel
212	10-6-90	931918	N. Blvd S. Acadian	transmission fluid
213	10-6-90	931920	5151 Plank	nat gas
214	10-7-90	931964	6154 Park Forest	nat gas
215	10-11-90	932124	Thunderbird beach	chem fire
216	10-11-90	932135	2075 Edinborgh	chlorine cyln
217	10-11-90	932138	1635 Corq	natural gas
218	10-11-90	932144	677 N. Don.	odor in building
219	10-12-90	932175	Sherwood & Coursey	leaking propane
220	10-13-90	932224	555 choctaw	odor
221	10-14-90	932281	1600 Staring	nat gas
222	10-15-90	932313	7666 Jefferson	nat gas
223	10-15-90	932322	4960 Oaklan	burning tar pot
224	10-15-90	932359	Port Allen	leaking hydrogen chloride
225	10-19-90	932507	7890 Scenic	gasoline
226	10-21-90	932603	7838 Airline	diesel
227	10-22-90	932628	1176 S. Acadian	2nd alarm
228	10-22-90	932644	466 LSU Place	2nd alarm
229	10-26-90		3655 Sherwood	nat gas
230	10-26-90	932790	73rd Ave	aircraft
231	10-31-90	954963	11426 Cloverland	solvents
232	10-31-90	933005	4115 Mohican	2nd alarm
233	11-1-90	933024	1460 Ted Dunham	propane
234	11-2-90	933083	I-12 W of O'Neal Lane	alum chloride
235	11-5-90	933208	1400 Airline	gasoline
236	11-7-90	933292	6000 Airline	gasoline
237	11-9-90	933423	I-10 WB-Highland exit	sulfur
238	11-10-90	933466	Denham St	nat gas
239	11-11-90	933490	N I-110 at Capital Access	haz waste
240	11-11-90	933520	Lee Drive	2nd alarm
241	11-13-90	933568	Harding & Scenic	styrene
242	11-15-90	933673	9400 Jefferson	nat gas
243	11-15-90	933695	I-12 & Airline	diesel
244	11-16-90	933704	5161 Sleepy Hollow	unk odor
245	11-16-90	933738	1557 Gardere	gasoline
246	11-16-90	933740	EB/I-110 @ Dalrymple	diesel
247	11-17-90	933760	3662 Dalton	nat gas
248	11-18-90	933809	I-110 SB	diesel

TABLE 15 (CONTINUED)  
BATON ROUGE FIRE DEPARTMENT  
HAZARDOUS MATERIAL SPILL LOGS

NO.	DATE	RUN #	LOCATION	DESCRIPTION
249	11-18-90	933831	18800 Highland	mercaptan
250	11-19-90	933857	I-110 NB	asbestos
251	11-19-90	933888	5800 Siegan Lane	naptha
252	11-19-90	933887	12558 S. Choctaw	teflon fluoro. resin
253	11-19-90	933895	I-110 East of College	diesel
254	11-22-90	933983	21475 Scenic	reported explosion
255	11-22-90	934011	1255 W. Chimes	odor
256	11-26-90	934155	9700 Cortana	freon
257	11-28-90	934244	Elmer St	nat gas
258	11-29-90	934279	1558 Westchester	chlorine
259	11-30-90	934309	9911 Mammoth	unk odor
260	12-4-90	934486	Ardenwood & Choctaw	diesel
261	12-6-90	934558	8301 Airline	antifreeze
262	12-6-90	934578	9516 Airline	Halon 1301
263	12-7-90	934621	3707 Government	2nd alarm
264	12-8-90	934654	Southern University	2nd asbestos
265	12-8-90	934668	18800 Highland	mercaptan
266	12-9-90	934685	1600 N. Boulevard	tile grout
267	12-9-90	934687	Western area BR	unk subst
268	12-10-90	934738	555 E. Airport	trans fire
269	12-11-90	934798	9812 Great Smokey	unk odor
270	12-11-90	934806	Alaska & W. Roosevelt	2nd alarm
271	12-12-90	934820	I-110 WB/Washington	transmission fld
272	12-12-90	934836	670 Canal	flam liquids
273	12-14-90	934908	2170 Riverside North	oxygen
274	12-14-90	955686	9700 Jefferson	nat gas
275	12-14-90	934937	1970 Staring Lane	ind cleaner
276	12-15-90	934989	1700 Spanish Town	nat gas
277	12-18-90	935111	1200 Ardenwood	diesel
278	12-20-90	935219	3012 Alaska St	2nd alarm
279	12-20-90	935214	I-10 @ Siegen Lane	diesel
280	12-22-90	935312	Highland & S. Stadium	nat gas
† <sup>23</sup> 281	12-22-90	935330	4555 Essen Lane	gasoline
282	12-23-90	935364	Sherwood Forest & Coursey	gasoline
283	12-24-90	935409	1400 Airline Hwy	gasoline
284	12-27-90	935575	Monroe St & N 28th	2nd alarm
285	12-28-90	935609	1385 N. 17th	gasoline
286	12-29-90	935655	5035 McClelland	nat gas
287	12-30-90	935708	6368 Quinn Dr	haz waste
288	12-31-90	935766	5474 Paige St	nat gas

1989

TABLE 15 (CONTINUED)  
BATON ROUGE FIRE DEPARTMENT  
HAZARDOUS MATERIAL SPILL LOGS

NO.	DATE	RUN #	LOCATION	DESCRIPTION
1	1-3-89	900088	Sherwood & N. Harrels Ferry	diesel
2	1-5-89	Code 30	Exxon Chem	nat gas
3	1-5-89	900176	656 Lobdell	nat gas
4	1-6-89	900210	N. Blvd & Acadian	transformer oil
5	1-6-89	900212	4535 Bennington	gasoline
6	1-8-89	900307	South Stadium Rd	nat gas
7	1-9-89	900333	Ryan Airport	Jet A
8	1-10-89	900371	1327 Airline Hwy	gasoline
9	1-11-89	900411	12400 Plank Rd	chlorine
10	1-11-89	900409	977 W. Grant	nat gas
11	1-14-89	900503	9512 Mammoth	nat gas
12	1-15-89	900556	5800 St Gerald	gasoline
13	1-17-89	906617	2768 Adams	nat gas
14	1-18-89	900656	2959 College Dr	gasoline
† <sup>D12</sup> 15	1-20-89	N/A	Rollins Environmental	xylene, ethyl benzene, etc
16	1-21-89	900752	6847 Scenic	polyvinyl/copper wire
17	1-22-89	900794	840 N 24th	nat gas
18	1-22-89	900801	633 N. 31st	nat gas
19	1-23-89	900817	18923 Womock	acetylene, butane
20	1-27-89	900991	4152 Rhonda	compressed gasses
21	1-28-89	901003	4325 Winborne	natural gas
22	2-1-89	901148	Exxon Station	gasoline
23	2-2-89	901189	Florida & Monterrey	soap solution
24	2-2-89	901206	Starring & Perkins	unk corrosive PH14
25	2-3-89	901228	2020 O'Neal Lane	waste oil
26	2-3-89	901235	3160 Silverwood	pine tree pollen (?)
27	2-4-89	901300	Plank & Evangeline	transformer oil
28	2-5-89	N/A	St George VFD	diesel
29	2-6-89	901380	7930 Jefferson	gasoline
30	2-6-89	901381	120 Nth 25th	nat gas
31	2-6-89	901383	2295 Ellissalde	nat gas
32	2-7-89	901409	I-10 @ College	assorted chem cysls
33	2-9-89	901490	8281 Goodwood	nat gas
34	2-9-89	990503	14009 Old Hammond Hwy	nat gas
35	2-10-89	901540	445 Broadmoor	nat gas
36	2-11-89	901549	1646 Columbus Dunn	gasoline
37	2-13-89		Code from Grant Chemical	HCL explosion
38	2-14-89	901641		nat gas
39	2-15-89	901677	Hwy 19 & Hwy 10	propane
† <sup>46</sup> 40	2-15-89	901714	4510 Baywell	nat gas
41	2-16-89	901725		nat gas
42	2-20-89	901874	Airline & Old Hammond	unk subst

TABLE 15 (CONTINUED)  
BATON ROUGE FIRE DEPARTMENT  
HAZARDOUS MATERIAL SPILL LOGS

NO.	DATE	RUN #	LOCATION	DESCRIPTION
43	2-21-89	901903	I-10 East at split	haz waste nos 9189
44	2-23-89	901981	1844 Colorado	nat gas
45	2-25-89	902050	Zachary	tire fire
46	2-25-89	902079	2500 Scenic	natural gas
47	2-26-89	902097	Brightside & River Rd	LPG
48	3-1-89	902221	Shady Bluff	chlorine
49	3-2-89	902257		crude oil
50	3-3-89	902293	Zachary (Hwy 964)	diesel
51	3-10-89		Code 10-Copolymer	
52	3-11-89	902596	4200 Janet	crude & methane
53	3-11-89	902635	1087 Flannery	gasoline
54	3-16-89	902798	10900 Clearview	sodium hydroxide
55	3-17-89	902842	Perkins & Michel Delving	diesel
56	3-17-89	902835	Shelly & Plank	diesel
57	3-17-89	902850	Chippewa & Hiawatha	turned in route
58	3-17-89	902873	Burbank & Elvin	gasoline (59 gal)
59	3-19-89	902933	1132 S. 10th	unk odor
60	3-20-89	902989	10020 Florida	gasoline
61	3-22-89	903073	I-110 @ Capital Access Rd	diesel
62	3-22-89	903079	11135 Florida	turned in route
63	3-27-89	903287	7015 79th	salt
64	3-29-89	903391	Tollway Dr	PCB transformer
65	3-29-89		Code 10 from Exxon	methyl chloride
66	3-30-89	903411	1220 Main	dichlorodifluoromethane (freon)
67	3-30-89	903417	Airline & Beechwood	diesel
68	3-30-89	991267	966 Jefferson	gasoline
69	3-30-89	903429	11911 Justice	ammonium hydroxide
70	3-30-89	903433	7316 Airline	gasoline
71	4-1-89	903491	550 Oklahoma	unk combust
72	4-2-89	903541	1955 N. 15th	gasoline
73	4-5-89		Code 31 Allied	hydrofluoric acid
74	4-5-89	903650	2200 Monte Sano	gasoline
75	4-5-89	903663	I-112 & Highland	class C explosives
78	4-6-89	903702	I-110 S btwn Airline & Highland	spent bauxite
79	4-12-89	903945	255 Florida Blvd	building fire 2nd
80	4-13-89	904016	1162 Terrace	transformer oil
81	4-14-89	904055	I-110 & Dalrymple	diesel
82	4-18-89	904184	12287 Florida	transformer oil
83	4-19-89	904211	Airline & I-12	diesel
84	4-19-89	904231	3539 Geronimo	nat gas
85	4-20-89	904260	4025 Denham	nat gas

TABLE 15 (CONTINUED)  
BATON ROUGE FIRE DEPARTMENT  
HAZARDOUS MATERIAL SPILL LOGS

NO.	DATE	RUN #	LOCATION	DESCRIPTION
86	4-25-89	904468	S 18th St	nat gas
87	4-26-89	904493	4200 Burbank	petroleum distillate
88	9-26-89	904497	8558 Goodwood	gasoline
89	4-27-89	904559	11600 Greenwell Springs Rd	LPG
90	4-30-89	904660	7575 Industrial	nat gas
91	5-1-89	991795	Blunt & Plank Rd	gasoline
92	5-2-89	904758	12567 Florida	transformer oil
93	5-3-89	904785	15150 Florida	asst chemicals
94	5-3-89	904796	15150 Florida	acetylene
† 95	5-3-89	904801	12400 Florida	asst. chemicals
96	5-4-89	904824	2807 Nicholson	antifreeze
97	5-4-89		Code Exxon	hydrocarbon
98	5-6-89	904913	1341 Beckenham	unk chemicals
99	5-8-89	904995	110 S. Foster	gasoline
100	5-8-89	905013	Baton Rouge	transformer oil
101	5-9-89	905045	I-10 East at Acadian	MEK
102	5-16-89	905312	575 Mouton	nat gas
103	5-20-89	905484	8963 Darley	propane
104	5-22-89	905570	2120 Riverside	gasoline
105	5-22-89	905573	2929 College	gasoline
106	5-22-89	905582	4155 Esson Lane	propane
†D12 107	5-22-89	905587	13351 Scenic Hwy	formaldehyde resin
108	5-22-89	905584	801 Swan	nat gas
109	5-23-89		Plank & Thomas	chlorine
110	5-24-89	905645	Mission & Fairfields	unk chemicals
111	5-25-89	905696	Brightside	transformer oil (PCB)
112	5-25-89	905700	510 St. Ferdinand	diesel
113	5-25-89	905733	705 Florida	unk pellets
114	5-26-89	905750	2055 Sorrel	anhydrous ammonia
115	5-29-89	905854	2800 Scenic	sulfuric acid
116	5-30-89	905919	N 17th & Convention	tetrachloroethylene
117	5-31-89	905993	I-110 N. @ Fuqua	carbon black
118	5-31-89	905995	3748 Winnebago	investigation of odor
119	6-2-89	906079	I-110 N. @ Fuqua	diesel & oil
120	6-2-89		Code 10 Exxon Refinery	fire in #10 pipestill
121	6-5-89	906221	Peachtree & Florida	nat gas
122	6-6-89	906274	587 Rodney	investigation
123	6-7-89	906307	2730 Gourrier	silo fire
124	6-7-89	906368	I-110 Government St	oil spill
125	6-7-89	906328	2200 Scenic	illegal dumping
126	6-8-89	906359	7500 Scenic	propane leak
127	6-8-89	906370	College & Bennington	gasoline

TABLE 15 (CONTINUED)  
BATON ROUGE FIRE DEPARTMENT  
HAZARDOUS MATERIAL SPILL LOGS

NO.	DATE	RUN #	LOCATION	DESCRIPTION
128	6-8-89		Code 32 Formosa Plastics	HCL
129	6-12-89		Code 10 Copolymer	rubber
130	6-15-89	906679	5889 Airline	gasoline
131	6-16-89	906724	3024 Amarillo	nat gas
132	6-16-89	906732	5377 Highland	(reported gasoline) water
133	6-17-89	906763	8200 Greenmoss	gasoline odor
134	6-17-89	906770	Cortona Mall	porta-can
135	6-19-89	906859	N/A Mason St	nat gas
136	6-19-89	906868	4000 blk of Sherwood Forest	nat gas
137	6-21-89	906915	2500 Scenic	gasoline odor
138	6-23-89	992602	14500 Florida	capacitor oil
139	6-24-89	907038	3964 Gourrier	suspected (CO)
140	6-24-89	907049	3535 Perkins	HTH in dumpster
141	6-26-89	907132	Barber St	nat gas
142	6-26-89	907149	Wallbanger "Monteray"	calcium hypochlorite & algaecide
143	6-27-89	907188	Perkins	diesel
144	6-29-89	mutual aid	St Francisville	toluene
145	6-29-89	mutual aid	Port Allen	rubber pipe coating
146	7-2-89	907386	S. Parishtown Rd	strange odor
147	7-3-89	907424	504 Riveroaks	nat gas
148	7-4-89	907454	2635 Fairfields	nat gas
149	7-7-89	907604	11718 S. Choctaw	diesel
150	7-11-89	907759	3350 Main St	caustic soda beads
151	7-11-89	907761	1530 Utah	nat gas
152	7-11-89	907763	3658 Eaton	unk
153	7-11-89	907766	782 New Rafe Meyer Rd	unk oily subst
154	7-14-89	907880	Sherwood Forest & Goodwood	sodium hypochlorite
155	7-16-89		Code 10 Copolymer	smoke
156	7-17-89	908028	414 Terrace	diesel
157	7-18-89	908053	4636 Scenic	nat gas
158	7-19-89	908103	Terrace & Highland	gasoline
159	7-19-89		Code 11-Allied	chlorine
160	7-20-89	908133	2980 O'Neal Lane	gasoline
161	7-20-89	908143	525 Staring Lane	bomb
162	7-20-89	908142	3617 Perkins	gasoline
163	7-23-89	908251	35 Holiday Park Dr	chlorox & roundup
164	7-24-89	908280	1320 Highland	gasoline
165	7-24-89	908293	2293 Holydale	paint
166	7-25-89	908347	13130 Scenic	crude
† 167	7-27-89	908382	N. Flannery & S. Choctaw	diesel
168	7-27-89	908422	New Wise Rd	tar
169	2-28-89	908467	4363 Convention	freon



TABLE 15 (CONTINUED)  
BATON ROUGE FIRE DEPARTMENT  
HAZARDOUS MATERIAL SPILL LOGS

NO.	DATE	RUN #	LOCATION	DESCRIPTION
170	7-29-89	908498	6675 Airline	paint thinner
171	7-29-89	908497	1300 Highland	gasoline
172	7-31-89	993148	5000 Hickory Ridge	diesel
173	7-31-89	908606	2650 Thomas Rd	diesel
174	8-3-89	908709	Mississippi Bridge	diesel
175	8-4-89		Code 11-Copolymer	
176	8-5-89	908781	1531 Greenoaks	nat gas
177	8-5-89	908795	921 Holystone	unk odor
† <sup>25</sup> 178	8-5-89	908806	8885 Highland	transformer oil
179	8-7-89		Code 10-Exxon Ref.	sulfuric acid
180	8-10-89	908962	801 Swan	mercaptan & nat gas
181	8-10-89		4200 N. River Rd	lime
182	8-10-89	908978	801 Swan	mercaptan & nat gas
183	8-11-89	908982	801 Swan	mercaptan & nat gas
184	8-11-89		Code 10 Copolymer	rubber dryer
185	8-11-89	908984	55 Southern University Place	mer & nat gas
186	8-11-89	909015	US 61 North of 964	gasoline
187	8-12-89	909036	12212 Lake Leta Circle	HTH
188	8-13-89	909069	951 Government	diesel
189	8-14-89	909106	5151 Plank Rd	gasoline
190	8-14-89	909109	Woodpecker & Barge Canal	styrene barge
191	8-14-89	909110	205 E. Polk	investigation
191	8-14-89	909129	200 Margeret	nat gas
192	8-17-89	909217	4215 N. Sherwood Forest	investigation
193	8-17-89	909240	Prescott, Mohican Crossover	plastic resin
194	8-17-89	909249	Hwy 61 N of Thomas	crude oil
195	8-24-89	909517	1974 Ramsey	nat gas
196	8-24-89	909518	4666 Scenic	benzine
197	8-24-89	909527	3000 Main St - Baker	various chemicals
198	8-31-89	909834	3125 Harding	diesel
199	9-1-89	909887	Highland & Gardere	nat gas
200	9-2-89		Code 12 - Placid Refinery	isopropane
201	9-2-89	909919	8419 Florida Blvd	diesel
202	9-4-89	910037	5876 Guidaway	2nd alarm
203	9-4-89	910038	I-10 WB @ Dalrymple	diesel
204	9-5-89	910046	300 S. Blvd	turned in route
205	9-6-89	993692	3300 Gardere	grain elevator
† <sup>D9</sup> 206	9-8-89	910165	Hwy 61 btwn Rollins & Allied	mud
207	9-8-89	910163	I-110 SB in front of Gov's mansion	chlorine
208	9-11-89	910292		transmission fluid
209	9-11-89		Code 30	small gas release
210	9-12-89	910347	3410 Sherwood Forest	nat gas

TABLE 15 (CONTINUED)  
BATON ROUGE FIRE DEPARTMENT  
HAZARDOUS MATERIAL SPILL LOGS

NO.	DATE	RUN #	LOCATION	DESCRIPTION
211	9-12-89	910355	S. Lake Sherwood	2nd alarm
212	9-12-89	910357	Hwy 61 & Arleen Rd	HCL
213	9-14-89	910437	Glacier Ave	gasoline
214	9-14-89	910447	Millerville & Old Hammond	HCL
215	9-15-89		Code 10 - Copolymer	hydrocarbon smoke
216	9-19-89	910624	4700 Prescott	nat gas
217	9-23-89	910793	2300 Acadian	gasoline
218	9-27-89	910932	10555 Mollylea	paint
219	9-29-89	910987	1145 Neosha	fiberglass resin
220	9-29-89	911005	I-10 S.	diesel
221	9-30-89	911048	Hwy 64	gas plume-turned out to be steam
222	10-3-89	911180	19 LSU Place	borou triflouride
223	10-4-89	911228	I-10 E of College	diesel
224	10-4-89	911240	Capital Drive & North 17th	oil film
225	10-5-89	911284	Hwy 61 & New Rafe Meyer Rd	chlorosilane
226	10-8-89	911441	Mohican & B.R. Avenue	gasoline
227	10-9-89	911453	3862 Scenic	gasoline odor
228	10-10-89	911496	Airline & Scenic	gasoline
229	10-10-89	911505	Santa Maria Golf Course	gasoline
230	10-11-89	911538	5720 Perkins	trash burning
231	10-13-89	911636	5111 Airline	nat gas
232	10-16-89	911722	11675 Scotland Ave - Hwy 19	Polyethylene
233	10-16-89	911723	4121 Harding Station 14	nat gas
234	10-17-89	911756	1342 Glacier	gasoline
235	10-18-89	911805	Airline & Old Miss Bridge	toluene tar
236	10-18-89	911811	900 Nicholson	toluene tar
237	10-22-89	911991	2332 Florida	nat gas/false call
238	10-23-89	912014	8731 Greenwell Springs Rd	transformer
239	10-23-89	912031	801 Swan	nat gas odor
†D9 240	10-24-89	912080	12875 Scenic (allied)	smoke in area
241	10-24-89	912082	I-10 EB @ Acadian	haz waste sludge
242	10-25-89	912215	1675 Choctaw	asphalt
243	10-25-89	912129	5555 Beechwood	2nd alarm
244	10-26-89	912141	5900 Airline	gasoline
245	10-26-89	912150	Brooklawn Rd	battery acid
246	10-26-89	912156	Terrace & Nicholson	nitric acid
247	10-29-89	912248	2325 Beech	odor/smoke
248	10-30-89	912285	1808 Brightside	nat gas
249	10-30-89	912288	500 C invention	nat gas
250	11-1-89	912346	Government	gasoline
251	11-1-89	912365	996 Terrace	nat gas
252	11-1-89	912393	10272 S. Perdue	asst chemicals

TABLE 15 (CONTINUED)  
BATON ROUGE FIRE DEPARTMENT  
HAZARDOUS MATERIAL SPILL LOGS

NO.	DATE	RUN #	LOCATION	DESCRIPTION
253	11-2-89	912400	5000 N. Choctaw	oily substance
254	11-3-89	912438	N. Sherwood Forest	oily substance
255	11-4-89	912474	N. Foster & N. Street	oily substance
256	11-4-89	912498	17021 Hooper	trash fire
257	11-6-89	912566	8211 Summa	extinguisher expelled
257	11-6-89	994603	16251 Perkins	chemical fire
258	11-6-89	912598	1420 Convention	2nd alarm
259	11-7-89	912614	927 Fountainbleau	nat gas
260	11-7-89	912620	I-10 EB - New Bridge	asst materials
261	11-7-89	912634	4959 Evangeline	unk flam gas
262	11-7-89	912637	I-10 EB - New Bridge	diesel
263	11-7-89	912623	1400 Rosenwald	nat gas
264	11-7-89	912645	Evangeline & I-110	transformer oil
265	11-9-89	912716	22720 Sutter Rd	nat gas
266	11-9-89	912731	1136 Swart	nat gas
267	11-11-89	912799	6847 Scenic	diesel
268	11-15-89	912954	WB I-12 at I-10	ammonium hyd fl
269	11-15-89	912951	6900 Airline	hydraulic oil
270	11-16-89	912980	I-12 @ O'Neal	diesel
271	11-16-89	912996	1426 E. Washington	nat gas
272	11-16-89	913001	439 Howard	nat gas
273	11-16-89	913006	Hwy 61 & Irene	dioxolane
274	11-21-89	913207	I-10 WB @ Siegen	HCL
275	12-2-89	913623	I-10 - Grosse Tete	glulanaldehyde
276	12-5-89	913741	3188 Garnet	unk odor
277	12-5-89	913754	Florida & Woodale	diesel
278	12-7-89	913848	2251 Main	nat gas
279	12-9-89	913925	5344 Stearn	nat gas
280	12-10-89	913935	500 N I-110	engine oil
281	12-10-89	913942	2800 Gardere	nat gas
282	12-12-89	914072	N I-110 at Weller	(steam cloud)
283	12-13-89	914078	N I-110 at Harding	acetylene
284	12-13-89	914114	N 17th & Spanish Town	2nd alarm
285	12-15-89	914175	2928 Florida	odor
286	12-16-89	914222	Choctaw & Hiawatha	unk subst
287	12-18-89		Code 30 - Placid	HF
288	12-19-89	914357	5963 Plank	gasoline
289	12-20-89	914391	I-10, I-12 split	false call
290	12-22-89	914471	311 E. Airport	nat gas
291	12-22-89	914472	1500 Jade	trans oil
292	12-22-89	914494	4200 Essen	nat gas
293	12-22-89	914498	1394 North St	odor/unk
294	12-24-89	914688	4045 Scenic Hwy	exp & fire/Exxon

TABLE 15 (CONTINUED)  
BATON ROUGE FIRE DEPARTMENT  
HAZARDOUS MATERIAL SPILL LOGS

NO.	DATE	RUN #	LOCATION	DESCRIPTION
295	12-25-89	914705	630 N. 6th	gasoline
296	12-25-89	914714		nat gas
297	12-25-89	914737	2800 Gardere	oil
298	12-25-89		Code 10 - Copolymer	N/A
299	12-26-89	914782	2200 Scenic	waste oil
300	12-26-89	914803	2924 Sara Cedar	unk odor
301	12-27-89	914827	5955 Scenic	chlorine
302	12-27-89	914847	1461 Louise	"Bandit" cleaner
303	12-27-89	914858	4200 W. Brookstown	nat gas
304	12-27-89	914866	8930 Old Hammond Hwy	nat gas
305	12-28-89	914889	50 Woodpecker St	nat gas
306	12-28-89	914892	2200 Scenic Hwy	oil
307	12-28-89	914916	704 46th Street	nat gas
308	12-29-89	914936	2900 North Street	nat gas
309	12-30-89	915020	1401 Foss	hexene
310	12-30-89	915026	12485 Airline	gasoline

1988

† D9	1	1-6-88	800226	12875 Scenic Hwy	transformer oil
	2	1-9-88	800303	11467 N. Harrells Ferry	nat gas leak
	3	1-12-88	800435	2355 Beech	mixed chemicals
	4	1-15-88	800567	I-110 & Chippewa	unk
	5	1-15-88	800576	Thomas Delpit & Cotton	2nd alarm
	6	1-17-88	800651	17032 Sharpsburg	propane
	7	1-17-88	800669	O'Neal Lane & Woodwick	haz wasted #9189
	8	1-19-88	800746	East Airport	odor/gas
	9	1-20-88	800770		odor/invest
	10	1-22-88	800874	3726 Beech	odor/invest
	11	1-24-88	800938	164 Southern University	diesel
	12	1-25-88	800956	Scenic Hwy	investigation
	13	1-25-88	800957	I-10 New Bridge	diesel
	14	1-26-88		Code 10 - Exxon Refinery	low pressure distillate
	15	1-29-88	801138	Monteray Blvd	cloradane heptachlor
	16	2-1-88		Code 10 Exxon Chem	employee injured
	17	2-1-88	801245	Gus Young & N. Foster	liquid oxygen
	18	2-1-88	801248	1400 N Blvd	shark repellant
	19	2-3-88		Highland & East Boyd	gas well
	20	2-7-88		Bradock & Louise	2nd alarm fire
	21	2-7-88	801505	LSU #4	oil well

TABLE 15 (CONTINUED)  
BATON ROUGE FIRE DEPARTMENT  
HAZARDOUS MATERIAL SPILL LOGS

NO.	DATE	RUN #	LOCATION	DESCRIPTION
22	2-9-88	880684	9077 Castille	fire acetylene bottles
23	2-10-88	801613	Airline & I-10	diesel leak
24	2-10-88	801644	5207 Essen Lane	diesel
25	2-11-88	801677	300 Chippewa	unk liquid
26	2-20-88	802021	2141 Mariner	turpentine
27	2-21-88	802066	1345 Mayfair	gasoline
28	2-22-88	802092	1448 Duane	caustic liquid
29	2-22-88	802116	I-10 Bridge	aluminum chloride anhydrous
30	2-23-88	802137	2924 72nd	nat gas
31	2-29-88		Code 10 - Exxon	SO <sub>2</sub>
32	2-25-88	802210	710 E. Washington	acetylene
33	3-1-88	802374	Government & Lobdell	dioxathion
34	3-1-88	802383	6435 Winborne	gasoline
35	3-3-88	881028	455 W Chalfont	PCB oil
36	3-3-88	802480	1781 N Foster	gasoline
37	3-5-88	802565	6466 Bamboo	nat gas
38	3-10-88	802747	River Road	rosin oil
39	3-12-88	802807	Centroplex	odor/investigation
40	3-16-88	802997	Gourrier & N. Parker	rhodamine dye
41	3-16-88	803000	I-12 & O'Neal	diesel
42	3-17-88	803018	6000 Ruby Ct	(toluene) smoke/invest
43	3-23-88	803242	Barge Terminal Rd	lime dust/diesel
44	3-27-88	803417	1808 Brightside	crude oil
45	3-27-88	803442	7997 Plant	gasoline
46	3-28-88	803451	Riverside & Main	gasoline
47	3-31-88	803573	Florida & Airline	diesel
48	4-2-88	803661	I-10 at Harding	unk alkali
49	4-5-88	803742	2400 Highland	petroleum product
50	4-6-88		Code 10 copolymer	mercaptan
51	4-10-88	803933	2813 Galahad St	propane, acetylene, oxygen
52	4-13-88	804074	6800 Harry	investigation
† <sup>32</sup> 53	4-19-88	804286	S. Choctaw & W. Dual	triethylene glycol
54	4-9-88	803894	Exxon Chem USA	acetic acid
55	4-20-88	804331	5785 Roundforest	methane gas
56	4-22-88	881774	St George	nat gas
57	4-23-88	804450	Chocktay & Riverside	nat gas
58	4-23-88	804451	16835 Stephanie	unknown solid
59	4-24-88	804512	Brightside & River Rd	butane
60	4-25-88	804555	I-110 at Harding	lime
61	4-25-88	804571	5835 Crestway	storage tank
62	4-25-88	804578	Scenic at Brooklawn	unknown

TABLE 15 (CONTINUED)  
BATON ROUGE FIRE DEPARTMENT  
HAZARDOUS MATERIAL SPILL LOGS

NO.	DATE	RUN #	LOCATION	DESCRIPTION
63	4-25-88	804581	1700 Brightside	nat gas well
64	4-26-88	804621	2161 Kentucky	natural gas
65	4-26-88	804636	Scenic	mapp gas
66	4-28-88	804711	I-12 Sherwood & Essen	diesel
67	4-29-88	804761	4647 Earl Gros Rd	nat gas well
68	4-30-88	804802	2232 Highland	nat gas
69	5-2-88	804876	1200 S. Choctaw	2nd alarm fire
70	5-4-88	804923	1837 Mason	weed killer
71	5-4-88	804926	8450 Green Moss	acetylene
† <sup>25</sup> 72	5-4-88	804841	8885 Highland	gasoline
73	5-6-88	881989	Plank & Bently	gasoline
74	5-7-88	805092	KCG RR behind Exxon	aluminum chloride
75	5-8-88	805106	Cyril & Seven Oaks	(transformer) possible PCB oil
76	5-10-88	805256	4133 Choctaw	2nd alarm
77	5-11-88	805271	Dean Lee off Nicholson	crude oil well
78	5-12-88		Code 31 Exxon	H <sub>2</sub> S
79	5-12-88		Code 30 Exxon	methyl chloride
80	5-14-88	805392	230 S 16th St	gas odor investigation
81	5-15-88	882111	11580 Perkins Rd	gas odor investigation
82	5-9-88	802030	7144 Greenwell Sprgs Rd	diesel spill
83	5-20-88	805621	I-10 EB before split	gasoline
84	5-21-88		Code 10	cat. unit
85	5-23-88		S. Choctaw Ext	trans fire
† <sup>25</sup> 86	5-23-88	805755	8885 Highland Rd & Staring Lane	gasoline spill
87	5-23-88		Code 10	grass fire
88	5-24-88		Code 20	Exxon
89	5-24-88	805780	Flannery & Florida	diesel spill
90	5-29-88	805986	261 E State	investigation
91	5-29-88	806005	Iowa & Violet	2nd alarm
92	6-1-88	806132	6300 Airline	urea formaldehyde
93	6-4-88		Ellers Drive	gas odor investigation
94	6-7-88	806370	10926 Old Hammond	invest of odor
95	6-9-88	806415	Govt at River Rd	investigation
96	6-9-88	806423	1550 River Road	(mayonase) investigation
97	6-9-88	806439	6847 Scenic by S Scrap	ordinary combustible
98	6-15-88	806659	I-12 at Sherwood & Airline	investigation
99	6-10-88	806457		natural gas leak
100	6-15-88	806683	11554 Airline Hwy (Auto Shack)	natural gas leak
101	6-16-88	806702	corner North Bl. & S. 14th	gasoline leak
102	6-17-88	806763	I-10 at Acadian	fertilizer (urea)



TABLE 15 (CONTINUED)  
BATON ROUGE FIRE DEPARTMENT  
HAZARDOUS MATERIAL SPILL LOGS

NO.	DATE	RUN #	LOCATION	DESCRIPTION
103	6-17-88		Code 10	diesel spill
104	6-19-88		Code 10	power outage
105	6-19-88	806837	375 W. Roosevelt	natural gas leak
106	6-19-88	806845	E. Stumberg	dumping of unknown chemicals
107	6-20-88	806858	15110 Hubbs Rd	5 pressure cylinders-empty
108	6-21-88	806907	4992 Flannery Rd	lime
109	6-23-88	806970	3164 Plank Rd	freon cylinder
110	6-28-88	807197		gasoline
111	6-29-88		Code 30	gas release
112	6-30-88	807290	I-10 & Chippewa	gypsum
113	7-1-88	807341	7550 Plank Rd	bldg fire (chemicals not involved)
114	7-3-88	807436	6869 E. Monarch	gasoline & oil
115	7-5-88	807516	I-10, I-12 split	diesel spill
116	7-6-88	807562	I-110 & Scenic	CO <sub>2</sub> bottle leak
117	7-6-88	807575	Nicholson	working fire
118	7-8-88		Code 20 Copolymer	diesel fire
119	7-11-88	807754	I-110 at Harding	acid spill
120	7-11-88	882989	I-110 at Seigen	diesel spill
121	7-11-88	807762	I-110 @ Essen	diesel spill
122	7-12-88	807807	I-110 on bridge	diesel spill
123	7-12-88	807782	1938 Plank Rd	nat gas
124	7-13-88	807811	4647 Earlgross	nat gas
125	7-14-88	807874	1349 St. Joseph	riot gas
126	7-15-88	807890	Convention & 29th	nat gas
127	7-15-88	807898	6960 Florida Blvd	asst chemicals (photo processing)
128	7-13-88		Code 10 Exxon	
129	7-16-88		Code 10 Copolymer	incinerator oil
130	7-16-88	807925	Brown Road	propane
131	7-18-88	808017	4547 Earl Gross	methane
132	7-20-88	808103	Scenic Hwy & Bob White	grease
133	7-20-88	808109	2326 Airway	gas and diesel no. 5
134	7-24-88	808239	528 W. Chalfont	chlorine release
135	7-25-88	808295	74th St	odor in air
136	7-25-88	808297	418 Centenary	transformer oil
137	7-26-88	808320	I-10 & Airline	phosphoric acid
138	7-27-88	883200	(St George) 8790 Pecue	mercaptan
139	7-30-88	808474	Harrell's Ferry Rd	abandoned drum
140	7-31-88	808495	5259 Helvetia	nat gas
141	8-1-88	805541	1530 N. Foster	nat gas

TABLE 15 (CONTINUED)  
BATON ROUGE FIRE DEPARTMENT  
HAZARDOUS MATERIAL SPILL LOGS

NO.	DATE	RUN #	LOCATION	DESCRIPTION
142	8-2-88	808588	9300 Merganzer	transformer leak
143	8-2-88	808540	3000 Lupine	chlorine
144	8-3-88	808642	I-110 @ Weller	diesel/spill
145	8-4-88	808669		acid smell
146	8-5-88	808709	W Amite Dr	gasoline
147	8-6-88	808742	567 Tuscaloosa	nat gas
148	8-6-88		3225 Conway	hand grenade
149	8-8-88	808834	3300 Tula	peanut oil
150	8-12-88	808957	9600 Florida Blvd	gasoline
151	8-12-88	883383	Greenwell St	pesticide (Dursban T C)
152	8-12-88	808976	152 W. Roosevelt	unk
153	8-13-88	809026	700 Florida Blvd	biomedical material
154	8-14-88	809053	2170 Riverside	propylene
155	8-15-88	809068	3700 t. Brookstown	chlorine
156	8-18-88	809188	1260 Eddie Robinson	diesel
157	8-20-88	809243	1643 Ontario	natural gas
158	8-23-88	809380	Siegen & Perkins	unk liquid
159	8-23-88	809392	bus station	unk liquid
160	8-24-88	883535	(St George) W. Lee & Burbank	chlorine gas
161	8-24-88	809417	9834 Great Smokey	rotten egg odor
			6345 Greenwell & 3700 Victoria Dr	
162	8-25-88	809454	I-10 & Siegen Lane	major 52
163	8-26-88	809473	city lot	unk odor
164	8-26-88	809500	I-12 up ramp at Airline Hwy	diesel
165	8-26-88	809508	S. River Road (centroplex)	investigation
166	8-27-88	809559	733 Bourbon St	investigation
167	8-27-88	809577	Allide chemical Code 30	HCL & FCL leak
168	8-31-88		Stauffer Chemical Code 30	SO <sub>3</sub>
169	9-2-88	809782	155 Marilyn	transformer oil (PCB)
170	9-2-88	809784	Allied South Works Code 42	HCL
171	9-17-88	810357	Evangeline & I-110	aluminum hydrate
172	9-17-88	810368	Hwy 19 @ Hwy 64	gasoline
173	9-19-88	810435	I-10 Bridge WB	investigation
174	9-19-88	810453	Scenic & Chippewa	haz waste ORM-E UN #9189
175	9-19-88	810455	15739 Florida Blvd	dimethyl sulfoxide
176	9-20-88	810495	3100 College	natural gas
177	9-23-88	810591	Government & I-110	diesel
178	9-30-88	810858	5955 Airline Hwy	diesel
179	10-1-88		Code 10	odor only
180	10-2-88		Code 10	small fire
181	10-2-88	810932	2400 N. 18th & Choctaw	propane tank
182	10-3-88	810954	6074 Blackberry	natural gas

TABLE 15 (CONTINUED)  
BATON ROUGE FIRE DEPARTMENT  
HAZARDOUS MATERIAL SPILL LOGS

NO.	DATE	RUN #	LOCATION	DESCRIPTION
183	10-5-88	811033	5200 Florida	diesel
184	10-6-88	884148	Ascension Parish	propane
185	10-8-88	811135	N. 40th and Zion	un 1993 (waste oil)
186	10-9-88	811164	10374 S. Choctaw	natural gas
187	10-11-88	811221	Jefferson & Fleet Dr	natural gas
188	10-13-88		Code 10	smoke
189	10-13-88	811285	2156 Scenic Hwy	oil spill
190	10-13-88	811304	Memorial Stadium	oil spill
191	10-15-88	811386	1300 Highland	gas leak (un 1203)
192	10-15-88	811400	5107 Adams	acetylene fire
193	10-17-88	811468	5990 Perkins	nat gas
194	10-20-88	811586	153 Southern Univ Place	phosphorus
195	10-21-88	811605	153 Southern Univ Place	residue of above prod
196	10-21-88	811618	13501 Florida	invest of diesel spill
197	10-21-88	811625	1436 Thomas H. Delpit	invest nat gas odor
198	10-21-88	811627	640 State Capital Street	invest nat gas odor
199	10-24-88	811721	2842 Iberia	nat gas
200	10-25-88	884350	8000 GSRI Rd	unknown pre-polymer
201	10-25-88	811754	6800 Nicholson at GSRI	muriatic acid
202	10-26-88	884372	off Phillips (J. Burton LeBlanc Tank Battery)	fuel oil
203	10-27-88	811832	1302 Foss	odor
204	10-29-88	811914	172 Van Buren	nat gas
205	10-29-88	811921	15 Fraternity Lane	nat gas
206	10-30-88	811938	N. Harce (second alarm)	turned in route
207	11-2-88	812054	2757 Monterrey	MEK
208	11-3-88	812110	310 Southern University Place	fire extinguisher
209	11-5-88	812169	2642 Dayton	nat gas
210	11-6-88	812212	(barge on river)	odor (benzene & toluene)
211	11-6-88		Code 30 Exxon	smoke from cat
212	11-7-88		Code 10 Exxon	catalyst release
213	11-7-88	812265	11888 Longridge	2nd alarm fire
214	11-8-88	812294	I-12 & Airline	chromosulfuric acid (false call)
215	11-8-88	812304	Florida & Foster	diesel
216	11-9-88		Code 10	
217	11-10-88		Code 10 Placid	smoke from crude unit
218	11-13-88	812500	9350 Burbank	methyl mercaptan
219	11-14-88	812524	2900 General Chenault	nat gas
220	11-15-88	812554	5500 Oklahoma	nat gas
221	11-15-88	812575	I-10 East at Esson	polypropylene pellets
222	11-18-88	812650	2400 N. Riverside	petroleum naptha
223	11-19-88	812695	1341 Beckenham	various chemicals

TABLE 15 (CONTINUED)  
BATON ROUGE FIRE DEPARTMENT  
HAZARDOUS MATERIAL SPILL LOGS

NO.	DATE	RUN #	LOCATION	DESCRIPTION
224	11-19-88	812694	415 Howard St	acetylene cylinder
225	11-21-88	812783		gas leak
226	11-23-88	884728	11450 Airline	diesel spill
227	11-26-88	812960	Plank & Lavey Lane	turned in route
228	11-27-88	812988	154 Atkinson	nat gas
229	11-30-88	813097	11059 Cloverland	photographic fixer
230	11-30-88	813111	4515 Sweetbriar	vegetable oil-grease
231	12-1-88	813148	2517 Zeeland	nat gas
232	12-1-88	813160	7315 Airline Hwy	diesel
233	12-2-88	884868	Siegen & Industriplex	nat gas
234	12-10-88	813505	4877 Adams	pipe insulation
235	12-11-88	813525	7401 Florida Blvd	nat gas
236	12-14-88	813683	1700 Brightside	nat gas
237	12-19-88	813905	State & Highland	fly ash
238	12-20-88	813955	2350 Gracie	nat gas
239	12-21-88	814013	Gardere & Nicholson	transformer oil (12,000 gals)
240	12-22-88	814033	Rawlins & Mason	pinane hydropenoxide
241	12-22-88	814045	229 Taylor	nat gas
242	12-23-88		2127 Beaumont	gasoline
243	12-24-88	814113	134400 Gerald	organic ink
244	12-27-88		Code 10 Placid	hydrogen sulfide
245	12-28-88	814281	I-110 West @ Acadian	hazardous waste
1987				
† <sup>26</sup> 1	1-30-87	700977	College & Bawell	gasoline
2	1-30-87	700996	7725 Airline	gasoline
3	1-31-87	770391	4500 Burbank	fiberglass resin
4	2-1-87	701053	8900 Siegen	gasoline
5	2-5-87	701178	Allied Chem	hydrofluoric acid
6	2-8-87	701261	5212 Jackson	nat gas
7	2-10-87	701347	953 W. Johnson	investigation/corrosive
8	2-15-87	701528	I-110/Acadian	investigation
9	2-16-87	701552	6735 Airline	toluene
10	2-17-87	701617	Cargill Grain/P.A.	grain
11	2-20-87	701691	4536 Plank	gasoline
12	2-21-87	701718	Nicholson	nat gas
13	2-27-87	701881	Southern Univ	gasoline vapors
14	3-7-87	702177	Ethyl	sodium aluminum tetrafluoride

TABLE 15 (CONTINUED)  
BATON ROUGE FIRE DEPARTMENT  
HAZARDOUS MATERIAL SPILL LOGS

NO.	DATE	RUN #	LOCATION	DESCRIPTION
15	3-12-87	702320	2156 Woodale	invest/unknown
16	3-14-87	702420	4444 Hwy 19	diesel
17	3-17-87	702504	1401 Foss	isopropanol
18	3-18-87	702547	2667 W. Dual	invest/pesticides
19	3-19-87	702585	I-110/Louise & Govt	diesel
20	3-19-87	702602	I-110/Gov. Mansion	calcium chloride
21	3-24-87	N/A	Exxon/Chippewa	sodium hydroxide
22	3-26-87	702838	Stauffer Pipeline	sulfuric acid
23	4-13-87	703394	East Airport	nat gas
24	4-21-87	771433	1300 Scenic	benzene/nat gas
25	4-23-87	703754	300 Sharp	fertilizer
26	4-27-87	703701	232 LSU Place	acetylene
27	4-27-87	703904	7800 Jefferson	nat gas
28	4-27-87	703914	Nicholson/S. Stadium	MEK/sulfuric acid
29	4-29-87	703988	Hwy 447/Walker	nat gas
30	4-29-87	703987	3005 Plank	paint
31	5-6-87	704251	4800 North	diesel
32	5-7-87	N/A	Training Division	ammonium hydroxide
33	5-13-87	704523	9849 Regency	paint
34	5-13-87	N/A	Formosa	HCL/Ethylene
35	5-14-87	704555	3021 N. Blvd	unknown
36	5-14-87	704550	Exxon	butylene
37	5-15-87	704614	3948 Scenic	black powder
38	5-18-87	704729	3700 Eleanor	investigation
39	5-19-87	704766	ICG Rail yard	polyethylene
40	5-22-87	704851	Choctaw & Greenwell Springs Rd	lime
41	5-23-87	704878	I-110/Chippewa	diesel
42	5-28-87	705036	Beechwood/Airline	gasoline
43	5-28-87	705047	N/A	diesel
44	6-6-87	705360	N/A	investigation
45	6-8-87	705426	4944 Sherwood Forest	HTH chlorine
46	6-11-87	705535	Georgia Pacific	gasoline
47	6-16-87	705736	North St/Riverside	natural gas
48	6-27-87	706134	1545 North Blvd	dye markers
49	7-1-87	706279	9720 Cortana Place	butane
50	7-2-87	706306	1750 Sorrel	invest/gas odor
51	7-3-87	706333	I-12 Eastbound	diesel
52	7-7-87	706476	I-110/Harding	lime
53	7-9-87	706530	2607 N. Sherwood Forest	gasoline
54	7-16-87	706815	4520 Florida	auto/no product
55	7-21-87	706985	9700 Old Hammond	transformer
56	7-21-87	706990	836 Blount Road	nat gas

TABLE 15 (CONTINUED)  
BATON ROUGE FIRE DEPARTMENT  
HAZARDOUS MATERIAL SPILL LOGS

NO.	DATE	RUN #	LOCATION	DESCRIPTION
57	7-27-87	N/A	Bob Petit	2nd alarm
58	7-29-87	707304	311 Nth Blvd	invest/diesel
59	8-6-87	707605	12232 Industriplex Blvd	liquid oxygen
60	8-9-87	707722	7234 Airline	gasoline
61	8-10-87	707747	I-10	transmission fluid
62	8-14-87	707893	2549 Hollywood	invest/odor
63	8-14-87	707907	Scenic/North of Blount	corrosive
64	8-14-87	707901	6177 Mass Side	nat gas
65	8-19-87	708115	Airline/Connells	diesel
66	8-18-87	708117	Scenic/North	2nd alarm
67	8-20-87	708144	College/I-10	diesel/sodium hydrogen sulfite
68	8-21-87	708182	Fraternity Lane/Dalrymple	3rd alarm
69	8-21-87	708180	6722 Bicentennial	pyridine
70	8-24-87	708329	7577 LaSalle	transformer
71	8-25-87	708373	1184 Bob Petit	crude oil/gas
72	8-30-87	708540	Hampton Inn	chlorine/gasoline
73	9-1-87	708604	18400 Scenic	sulfur dioxide
74	9-2-87	708615	5555 Burkshire	transformer
75	9-8-87	708806	Evangeline/#3	investigation
76	9-9-87	708863	2040 Beaumont	transformer
77	9-16-87	709123	1600 Gulf States Road	sodium
78	9-19-87	709217	21991 Tucker Road	propane
79	9-19-87 & 9-20-87	709240	8005 Sevenoaks	transformer
80	9-27-87	709445	Choctaw & N. Foster	oil spill
81	9-28-87	709503	524 Colonial Drive	chlorine & formaldehyde
82	9-28-87	709529	I-12 East of Drusilla	polyol
83	9-29-87	709554	8455 N. Rome Dr	petroleum dist
84	9-30-87	709572	I-12 West of Drusilla	diesel
85	10-1-87	773764	13599 Blackwater Rd	polyurethane
86	10-5-87	N/A	Hwy 19	butane
† <sup>2</sup> 87	10-8-87	709875	4600 Essen	gasoline
88	10-8-87	709877	Greenwell & McClelland	sulfuric acid
† <sup>2</sup> 89	10-8-87	709883	4600 Essen Lane	gasoline
90	10-8-87	709884	1000 Gulf States Road	iodine & nitrous oxides
91	10-9-87	709929	1401 Foss KCS yard	Neo 913 (acid)
92	10-9-87	709939	2340 Barber	natural gas
93	10-22-87	710418	8181 W. Darrell	warehouse fire
94	10-22-87	710436	3730 Winbourne	2nd alarm
95	10-24-87	710527	400 Tower Drive	microbiology lab fire
96	10-29-87	710687	I-12 West of O'Neal	diesel
97	11-2-87	710877	1415 S. Marilyn Dr	gasoline



TABLE 15 (CONTINUED)  
BATON ROUGE FIRE DEPARTMENT  
HAZARDOUS MATERIAL SPILL LOGS

NO.	DATE	RUN #	LOCATION	DESCRIPTION
98	11-3-87	710896	Gov & St Louis	diesel
99	11-4-87	710930	KCS Railroad yard 1401 Foss	toluene
100	11-4-87	710931	12146 Mirkwood	crude oil
101	11-7-87	711042	Highland & Oklahoma	truck fire & ammo
102	11-7-87	711082	Highland & Roosevelt	diesel
103	11-9-87	711139	6315 Scenic Hwy	gasoline/investigation
104	11-10-87	711161	I-12 & O'Neal Lane	diesel
105	11-13-87	711285	Hwy 19 & Blount Rd	gasoline
106	11-14-87	711339	Airline & Winbourne	ferric sulfate
107	11-16-87	711420	I-110 NB Governor's Mansion	gasoline
108	11-16-87	711452	10172 Mammoth	Hydrogen chloride
109	11-16-87	711453	LA Hwy 19 & Blount Rd	gasoline
110	11-18-87	711502	Bluebonnet & Glenstone	styrene monomer
111	11-19-87	711537	Perkins & LaCrete Rd	diesel
112	11-19-87	711567	Florida Blvd & N. Foster	diesel
113	11-21-87	774597	12135 Mirkwood	crude oil
114	11-24-87	711331	Formosa Plastics	diesel
115	11-27-87	711856	I-12 @ Sherwood Forest	gasoline
116	12-8-87	712257	1702 Terrace	natural gas
117	12-12-87	712400	Hwy 61	waste pit site reported fire - investigation
118	12-17-87	712620		sulfur trioxide
119	12-22-87	775085	Pascagoula	nat gas
120	12-23-87	712811	12800 Old Jefferson Hwy	use motor oil
121	12-24-87	712861	10247 Ave D.	acetylene
122	12-30-87	713066	9600 Florida Blvd	gasoline
<b>1986</b>				
1	1-2-86	600050	3430 Elm Dr	investigation
2	1-3-86	600071	11620 Airline Hwy	nat gas
3	1-6-86		17213 Hooper Rd	paint products
4	1-13-86	600439	Burbank - west of Lee	nat gas
5	1-23-86	600781	3700 block Airline service rd	
6	1-24-86	600818	Thomas Rd & Scenic Hwy	polypropylene
7	1-28-86	600946	Exxon Refinery	mutual aid
8	1-30-86	601041	I-12 EB	oil spill
9	2-5-86	601222	I-110 at W22	diesel
10	2-10-86	601383	Railroad west of 3600 block	investigation
11	2-18-86	601637	1101 Choctaw Dr	nitrogen
12	2-19-86	601709	2532 Gov St	cyanide
13	2-24-86	601857	I-110 SB & Florida	cooking oil

TABLE 15 (CONTINUED)  
BATON ROUGE FIRE DEPARTMENT  
HAZARDOUS MATERIAL SPILL LOGS

NO.	DATE	RUN #	LOCATION	DESCRIPTION
14	2-28-86	601980	500 Terrace	unknown
15	2-28-86	601989	700 N I-110	diesel
16	2-28-86	601998	5083 Florida Blvd	gasoline
17	3-1-86	602043	Greenwell Springs	unknow
18	3-6-86	602179	I-10 West bound	diesel
19	3-6-86	602182	11675 Scotland Ave	ethylene
20	3-12-86	602399	I-10 East Bound	celite
21	3-24-86	602848	Reager	light crude & nat gas
22	3-31-86	603094	I-10 Mohican NB	
23	4-3-86	603202	10474 Mammoth	PVC
24	4-8-86	603347	11 W. Fraternity Lane & 10 W. Fraternity Lane	nat gas
25	4-11-86	603458	Hwy 30 - 1 mi S. of Gardere Lane	HCL
26	4-14-86	603558	Florida St & Atkinson	diesel
27	4-28-86	604017	EB I-10 bridge	diesel
28	4-28-86		Florida & Atkinson	gasoline
29	4-29-86	604057	Starring Lane	oil
30	5-3-86	604218	2271 Airline	none
31	5-4-86	604278	Brooklawn	sludge fire
32	5-23-86	604894	9650 Goodwood	investigation
33	5-28-86	605069	1900 Gayosa	unknown chemical
34	5-28-86		Exxon Chemical	alcohol fire
35	5-31-86		4743 Florida St	anhydrous ammonia
36	6-10-86	605527	484 LSU	formaldehyde
37	6-12-86	605600	4900 Greenwell	diesel
38	6-15-86	605692	Choctaw & Acadian	pesticides
39	6-16-86	605707	N. Foster & Choctaw	gasoline
40	6-23-86	605982	I-110 & Hwy 61	diesel
41	6-23-86	605969	I-12 & O'Neal	propane
42	6-24-86	605989	8300 Jefferson	natural gas
43	6-25-86	606024	7400 Prescott	gasoline
44	6-27-86	606061	9250 Wilbur	ethylmagnesium bromide
45	7-8-86	606489	4840 Alvin Park	brine water
46	7-8-86	606492	Scenic Hwy	unknown
47	7-9-86	606534	Brightside	LPG
48	7-11-86	606510	ICG Railyard	sulfuric acid
49	7-13-86	606657	I-10 north	ethanol & diesel
50	7-14-86	606704	West Havana 9367	unknown
51	7-23-86		Adams Ave	motor oil
52	7-29-86	607207	4425 Plank Rd	ammonia
53	8-7-86	607587	Sharp & Florida	gasoline
54	8-8-86	607637	1450 Airline	naptha

TABLE 15 (CONTINUED)  
BATON ROUGE FIRE DEPARTMENT  
HAZARDOUS MATERIAL SPILL LOGS

NO.	DATE	RUN #	LOCATION	DESCRIPTION
55	8-11-86	Baker FD	Groom Rd	paint thinner
56	8-15-86	607830	9906 South Perdue	radioactive
57	8-22-86	608047	2440 N. Riverside	LPG
58	8-23-86	608071	4700 Plank	diesel
59	8-23-86	608077	9849 Regency	paint
60	8-24-86	608096	12500 Leisure	radioactive
61	8-25-86	608135	1300 S. 10th	diesel
62	9-8-86	Brownfield #000416	12537 Scenic	unknown
63	9-11-86	608694	5300 Douglas Ave	unknown
64	9-11-86	608700	Perkins & Acadian	sulfuric acid
65	9-11-86	608708	1500 Thomas H. Delpit	polyisocyanate
66	9-18-86	608942	9500 Florida	gasoline
67	9-19-86	608990	1345 76th St	oil, metal, unks
68	9-28-86	609271	1399 Chippewa	combustible oil
69	9-28-86	609285	1100 Choctaw	nitrogen
70	9-29-86	609317	9400 Jackie Cockran	unknown
71	9-30-86	609368	7370 Airline	gasoline
72	10-4-86	609472	KCS @ Foss	
†D2 73	10-12-86	662034	11911 Scenic	nat gas
74	10-13-86	609771	I-12 East	toluene disocyanate
75	10-13-86	609766	3500 Seneca	gasoline
76	11-3-86	610397	Pickett & College	ordinary combustible
77	11-11-86	662377	Nicholson	sulfuric acid
78	11-18-86	610896	333 North 6th	diesel
79	11-19-86	610938	2500 Gov't	gasoline
80	11-20-86	610949	11628 S. Choctaw	mercaptan
81	11-21-86	610980	3600 Florida	gasoline
82	11-21-86	610991	2504 Gov't	gasoline
83	11-24-86	611087	900 Chippewa	pythalic anhydride
84	11-25-86	611114	Siegen & Perkins	investigation of gasoline
85	11-28-86	611190	7716 Commerce	urethane (irritant)
86	12-9-86	611536	1100 W I-10	concrete mix (irritant)
87	12-10-86	611600	5068 Airline	iridium 192 (radioactive)
88	12-15-86	611768	4600 Nicholson	natural gas
†38 89	12-16-86	662776	Bluebonnet @ I-10	sodium bisulfate (corrosive)
90	12-18-86	611840	N. Sherwood Forest	HCL
91	12-30-86	612273	5215 Plank Road	investigation

1985

TABLE 15 (CONTINUED)  
BATON ROUGE FIRE DEPARTMENT  
HAZARDOUS MATERIAL SPILL LOGS

NO.	DATE	RUN #	LOCATION	DESCRIPTION
1	1-4-85	117	639 Chippewa	ethylene dibromide (no release)
2		427	Airline & I-12	diesel
3	1-16-85	459	Hooper Rd & Mickens	propane
4	1-24-85	778	Hwy 61 & Irene	hexylalcohol
5	1-25-85	815	5385 Hooper RD	gasoline
6	1-30-85	961	Highland & E. Boyd	nat gas
7	1-10-85		Buckingham & Old Hammond Hwy	hydraulic fluid & diesel
8	2-1-85	1054	River Bend & Dakin	nat gas
9	2-4-85	1125	1925 Riverroad	gasoline (leaded)
10	2-13-85	1439	7234 Airline Hwy	gasoline (flammable)
11	2-14-85	1466	Stauffer Chemical	sulfur trioxide (SO <sub>3</sub> )
12	2-22-85	1762	Mobil Station-Goodwood & Airline	gasoline (flammable)
13	2-23-85	1812	Holiday Inn Seigen Lane & I-10	natural gas (flammable)
† <sup>39</sup> 14	2-19-85	1653	10296 S. Choctaw	methyl ethyl ketone
15	3-9-85	2276	2600 block of Cedaiz	none
16	3-11-85	2343	Scenic & 68th	acute vapors
17	3-13-85	2385	Harding Blvd	muriatic acid & HTH
18	3-13-85	2391	I-10 at Fuqua	none
19	3-12-85	2365	Sherwood & Coursey	gasoline
20	3-15-85	2451	Formosa Plastics	chlorine
21	3-15-85	2470	O'Neal Lane & I-12	natural gas
22	3-18-85	2578	I-10 E. at foot of bridge	non-haz PVC sludge
23	3-19-85	2610	Sanchez & Gouchaux	naptha
24	3-20-85	2632	9679 Airline: Mobile Station	gasoline (unleaded)
25	3-21-85	2673	6000 Scenic Hwy	chlorine
26	3-25-85	2794	1616 Mengel Dr	none
27	3-27-85	2856	12841 Plank Rd	suspected radiation
28	3-31-85	2996	I-10 W. Bound to I-12	perchloroethylene
29	3-31-85	2993	248 South Fairfax	gasoline
† <sup>D6</sup> 30	4-9-85	3303	Devil Swamp Landfill	refuse
31	4-3-85	3101	5225 Adams Ave	unknown
32	5-1-85	3999	1140 Corlett Dr	nat gas
33	5-6-85	4164	end of Brooklawn Dr	various chemicals
34	5-8-85	4225	I-10 Fuqua	petroleum oil
35	5-27-85	4928	2829 Choctaw	LP Gas
36	5-28-85	4952	Scenic Hwy	unknown
37	5-26-85	4893	5616 Halsey Brownsfield	nat gas
38	5-30-85	5032	Hwy 412 Slaughter city limits	liquid oxygen
39	6-5-85	5291	Lupine & Ontario	hydrofluoric acid
40	6-8-85	5404	2300 Scenic Hwy	acetylene cylinder
41	6-14-85	5606	5334 Airline Hwy	propane

TABLE 15 (CONTINUED)  
BATON ROUGE FIRE DEPARTMENT  
HAZARDOUS MATERIAL SPILL LOGS

NO.	DATE	RUN #	LOCATION	DESCRIPTION
42	6-18-85	5760	Exxon - Scenic Hwy	unknown
43	6-20-85	5798	I-10 & Essen Lane	methane
44	6-20-85	5794	Grant Chemical - Scenic Hwy	metallic sodium ethers, olefin
45	6-26-85	5986	I-12 & Airline Hwy	sodium cyanide
46	6-24-85	5918	Perkins 7 Dalrymple on I-10	paint
47	6-26-85	6007	Nicholson Dr.	gasoline
48	7-3-85	6242	Dalrymple & I-10 W	muriate acid
49	7-11-85	6526	888 Old Hammond Hwy	nat gas
50	7-17-85	no number	Fountainbleau & Florida Blvd called in by Eastside Fire Dept	investigation of odors in residences
51	7-20-85	6822	N. Flannery & RR	nat gas
52	7-23-85	6883	I-10 WB on N. Brdg.	diesel
53	7-23-85	6889	54 University Lake Shore	nat gas
54	7-26-85	6901	7625 Scenic Hwy	naptha
55	7-25-85	7040	Washington 7 N 38th	nat gas
† 56	7-29-85	7060	South Choctaw & Flannery	diesel
57	8-2-85	7169	Highland Rd Airline Hwy inter	diesel
58	8-8-85	7367	Gulf States Rd	vinyl chloride antiknock compound
59	8-8-85	7370	South Chalet Court	brine solution vapor cloud
60	8-11-85	7463	5395 Hooper Rd	unknown
61	8-25-85	7888	2239 Fiero	diesel
62	9-3-85	8180		
63	9-6-85	8265	Sherwood & Greenwell Sprgs	nat gas
64	9-7-85	8314	Boone Ave	chlorine
65	9-12-85	8465	Lobdell Ave	diesel
66	9-13-85	8519	Florida & Sherwood Forest	gasoline
67	9-16-85	8587	Railyard east of Formosa	aluminum chloride
68	9-19-85	8729	888 Old hammond	nat gas
69	9-30-85	9048	2863 Fellsway	investigation
70	10-1-85	9083	Southern Scrap	titanium
71	10-8-85	9310	2355 Beech	chemical investigation
72	10-9-85	9332	Kansas City Southern	aluminum phosphide #70
73	10-15-85	9565	Myrtle St	anhydrous ammonia
74	10-18-85	9651	Gus Young & 44th	gasoline
75	10-21-85	9735	Illinois Central Railyard	denature alcohol
76	10-23-85	9798	Mohican & Prescott crossover	diesel
77	10-28-85	9976	New Bridge @ I-10	diesel
78	11-11-85	10478	North Acadian & Jefferson	gasoline
79	11-16-85	10634	Ethyl Corp, Scenic hwy	metallic sodium & oil
80	11-26-85	10944	DPW lot on Perkins	HCL
81	11-27-85	10985	ICG Railyard	hydrofluoric acid

TABLE 15 (CONTINUED)  
BATON ROUGE FIRE DEPARTMENT  
HAZARDOUS MATERIAL SPILL LOGS

NO.	DATE	RUN #	LOCATION	DESCRIPTION
82	12-4-85	11219	West Campus & N. Stadium	gasoline
83	12-5-85	11244	3330 Woodcrest	unknown
84	12-6-85	11275	I-12 @ Airline	diesel
85	12-9-85	11369	I-10 @ Bluebonnet	diesel
86	12-10-85	11427	4425 Plank Rd	investigation
87	12-11-85	11431	Scenic & Plank	investigation
88	12-14-85	11565	Airline & Old Hammond	investigation
89	12-13-85	11514	12th & Myrtle	ammonia
90	12-20-85	11761	Exxon	gasoline & diesel
91	12-31-85	12150	South Campus Dr	organic waste
1984				
1	1-3-83	107	434	gas leak
2	1-19-84	576	I-10 500' west of Perkins on ramp	caustic soda spill
3	1-20-84	594	3251 Tecumsha	
4	2-8-84	1704	110 North bound	urea
5	2-12-84	1305	ICG Railyard	propylene oxide
6	2-12-84	1326	3115 Fairfields	line down
7	2-15-84		BR Metro Airport	25 gal butane tank
8	2-16-84	1446	I-10 Bridge over Miss River	
9	2-18-84	1517	2400 Riverside North	
10	2-23-84	1645	4141 N. Flannery	
11	3-1-84	1864	Stauffer Chemical Co 200 Airline	sulfur dioxide
12	3-2-84	1902	210 Lafayette	
13	3-5-84	1992	3125 Harding Blvd	chemical spill
14	3-8-84	2052	Essen Lane @ I-10	
15	3-8-84	2079	2200 Block Sherwood Forest Blvd	oil spill
16	3-8-84	2091	Highland Rd	
17	3-9-84	4536	Plank	
18	3-11-84	2188	I-10 Miss River Bridge	
19	3-16-84	2338	Adams Ave	propane discharge
20	3-23-84	2586	1426 Airline Hwy	diesel & Oil Leak
21	3-27-84	2688	6847 Scenic	refuse fire
22	3-27-84	2674	6666 Pikes	
23	3-28-84		3125 Harding Blvd	sodium hypochloride
24	4-4-84		Greenwell St & Airline	gasoline flammable
25	4-5-84		Exxon Chemicals Scenic Hwy	naphtha
26	4-4-84	2924	I-10 Westbound @ College	toluene dusocyanate
27	4-9-84	3103	2900 College 70808	gas leak no ignition
28	4-18-84	3403	5348 St Gerard Circle	chlorothene & paint
29	4-24-84	4313	Airline Estates Jewelers	suspected radioactive



TABLE 15 (CONTINUED)  
BATON ROUGE FIRE DEPARTMENT  
HAZARDOUS MATERIAL SPILL LOGS

NO.	DATE	RUN #	LOCATION	DESCRIPTION
30	5-14-84	4178	Formosa Plastics Gulf States Road	materials
31	5-16-84	4249	Tom Dr 7686	nat gas
32	5-22-84	4432	12300 Old Hammond	acetylene flammable gas
33	5-23-84	4462	Interstate SB	nat gas
34	3-24-84	4490	S. Choctaw & Monterrey	polypropylene glycol
35	6-4-84	4852	5035 Airline Hwy	Witconate 45LX
36	6-4-84	4849	I-110 SB @ Hollywood	gasoline flammable
37	6-7-84	4937	2300 O'Neal Lane	butane 88 %
38	6-19-84	5327	5085 Landis	chlorine
39	6-19-84	5316	15915 Perkins	Leak, no ignition
40	6-20-84	5352	Airline Hwy	unclassified
41	6-20-84	5354	5377 Highland Rd	diesel spill
42	6-21-84	5389	Scenic & Harding Blvd	gasoline spill
43	6-13-84	005131	979 Brookyard Lane	propane leak
44	6-13-84	005132	12132 Park Meadow	unidentified
45	6-27-84	5604	1100 Pittsburg unknown	chlorine
46	7-3-84	5739	I-110 SB at bridge	
47	7-3-84	5751	State Police crime lab-east airport	
48	7-10-84	5969	Prescott & N. foster	diesel spill
49	7-12-84	6030	Millerville & Harrels Ferry Rd	diesel spill
50	7-12-84	6036	Hwy 19 & Rosenwald	train hit fire truck - no leaks
51	7-12-84	6040	Hwy 19 & Rosenwald	train hit car - no leaks
52	7-26-84	6471	West Acadian	gasoline
53	7-26-84	6476	South Acadian & I-10	gasoline & chicken fat
54	7-31-84	6628		methylene chloride
55	8-7-84	6856	329 Florida St	technical
56	8-8-84	6884	Shell Gas Station	gasoline spill
57	8-9-84	6946	GSU RD	oil spill
58	8-9-84	6949	Foster & Capital Heights	chlorine cloud
59	8-9-84	6951	9781 Hooper Rd	oil spill
60	8-14-84	7103	Laurelwood & Elderwood	gasoline spill
61	8-17-84	7187	I-10 and College	nat gas
62	8-20-84		Exxon Chemicals, GSU Rd	gasoline
63	8-21-84		I-10 & College Dr	chlorine
64	8-28-84	7536	Prescott & Airline	cleaning chemicals
65	8-31-84		GSU Rd Ethyl Corp	gasoline spill
66	9-3-84	7740	Formosa	explosion
67	9-4-84	7774		
68	9-6-84	7846		unknown odor in sewer
69	9-7-84	7859	Southern Scrape	film processing lab

TABLE 15 (CONTINUED)  
BATON ROUGE FIRE DEPARTMENT  
HAZARDOUS MATERIAL SPILL LOGS

NO.	DATE	RUN #	LOCATION	DESCRIPTION
70	9-10-84	7966	I-10 West of Bluebonnet	toluene & TDI & methylalcohol
71	9-14-84	8119		investigation of 18 wh. placards
72	9-19-84		Hooper & Tanglewood	18 wheeler hydraulic fluid
73	9-24-84		Hooper & Blackwater	diesel 18 wheeler
74	9-25-84		Greenwell Springs & Sullivan	diesel and hydraulic fluid
75	9-28-84	#8544	Land fill	nat gas odor
76	9-28-84	8546	Land fill	nat gas odorant
77	10-2-84	8658	I-10 & Essen	diesel spill
78	10-5-84	8788	1440 O'Neal Lane	diesel spill
79	10-8-84	8898	Victoria & Airline	gasoline spill
†D3 80	10-14-88	9054	Devil's Swamp	possible fire
81	10-15-84	9072	Ethyl Corporation	cloud investigation
82	10-17-84	9137	Harrel Ferry Rd & Millerville	tanker gasoline
83	10-17-84	9160	North Blvd & 15th	rail car
84	10-19-84	9220	8255 Florida St	auto accident
85	10-27-84	9472	Blunt & Scenic hwy	resine spill
86	10-28-84	9492	I-12 & Essen	
87	10-29-84	9518	241 North St	investigation
88	11-5-84	9730	338 Kenilworth	butane bottle
89	11-5-84		Park Forest School	investigation odor
90	11-10-84	9870	3812 South Ramsey	odor in drain
91	11-10-84	9874	2763 Plaza	pesticide spill
92	11-14-84	10006	I-12 West of Essen	diesel
93	11-16-84	10067	I-10 & College WB	
94	11-16-84	10075	East Airport	natural gas
95	11-19-84	10162	Cora	photography chemicals
96	11-30-84	10487		investigation none found
97	12-3-84	10573	1140 Myrtle Ave	ammonia
98	12-6-84	10674	Winborne & Ardenwood	antifreeze
99	12-13-84	10936	I-110 over LA 19	unknown oil
100	12-19-84	11121	Monterrey & South Choctaw	calcium hydrated lime

Thirty-one files from the Baton Rouge Fire Department Haz Mat Division remain daggered and require further investigation. A brief description of the incidents follows.

†<sup>10</sup> BRFD Incident Report #302036, C.R. Kirby Contractors (7350 Tom Drive). This incident involved a truck carrying a large tank (approximately 7 feet long) which was observed dumping diesel into a storm drain on the side of the roadway on February 5, 1993. This incident allegedly took place across the street from 7350 Tom Drive, and was witnessed by employees of a nearby business. The truck was from C. R. Kirby Contractors. A large pool of diesel was observed in a drainage canal behind Alan Watts Service, Inc.

†<sup>25</sup> BRFD Incident Report #216536, Exxon Gas Station (8885 Highland Rd). A customer of the gas station located at 8885 Highland Rd. drove off with the gasoline nozzle in tank, spilling approximately 25 gallons of gasoline. Floor dry was spread over the exposed liquid. The date of this incident was October 23, 1992.

†<sup>16</sup> BRFD Incident Report #107212, Chevron Gas Station (7931 One Calais). Underground storage tanks at the Chevron Station located at 7931 One Calais were leaking into the street. Within the leaking area gasoline was bubbling up through the cracks in the road and parking lot. An electric pit in the vicinity was flushed with over 1700 gallons of water. The date of this incident was June 5, 1991.

†<sup>16</sup> BRFD Incident Report #107601, Chevron Gas Station (7931 One Calais). The Haz Mat Division was called out to assist LDEQ and the Baton Rouge Department of Public Works in removing gasoline and gasoline vapors from the sewer system at 7931 One Calais Place. The date of this incident was June 13, 1991 and was in conjunction with the leak on June 5, 1991.

†<sup>23</sup> BRFD Incident Report #935330, Exxon Gas Station (4555 Essen Lane). There was an odor of gasoline noted at 4555 Essen Lane on December 22, 1990. No evidence of spill or leak was identified.

†<sup>3</sup> BRFD Incident Report #904801, 12400 Florida Blvd. The Baton Rouge Fire Department did not have a file on this incident. The only information available is that the incident occurred on May 3, 1989 at 12400 Florida and consisted of assorted chemicals. No indication exactly what material is involved or if there actually was a spill.

†<sup>4</sup> BRFD Incident Report #908382, North Flannery and South Choctaw. The Baton Rouge Fire Department did not have a file on this incident. The only information available is that the incident occurred on July 27, 1989 at the intersection of North Flannery and South Choctaw and consisted of diesel. No indication of the amount of material involved or if a spill did occur are included.

†<sup>32</sup> BRFD Incident Report #804286, Illinois Central vs Ashland Chemical (South Choctaw and West Dual). At the intersection of South Choctaw and West Dual an eastbound Illinois Central train struck an Ashland Chemical tank truck. The Ashland Chemical tank rolled into the ditch on the east side of West Dual. Approximately 2000 gallons of triethylene glycol was spilled. The ditch on the west side of West Dual was diked. This incident occurred on April 19, 1988.

†<sup>25</sup> BRFD Incident Report #804841, Exxon Gas Station (8885 Highland Rd). A customer backed into a gasoline pump at the Exxon Service Station at 8885 Highland Rd and spilled about 1 gallon of gasoline. This incident occurred on May 4, 1988.

†<sup>25</sup> BRFD Incident Report #805755, Exxon Gas Station (8885 Highland Rd). Approximately 20 gallons of gasoline was spilled at a service station at 8885 Highland Rd at Staring Lane on May 23, 1988. The spill was flushed.

†<sup>2</sup> BRFD Incident Report #709875 and 709883, 4600 Essen Lane. Gasoline was reported in the sewer lines at 4600 Essen Lane on October 8, 1987. The incident was referred to LDEQ and Baton Rouge Department of Public Works. The Baton Rouge Fire Department responded to flush sewer lines.

†<sup>38</sup> BRFD Incident Report #662776, Bluebonnet at I-10. An eighteen wheeler was travelling west on Interstate 10 when the leak was detected. The leak was a cleaning solvent containing sodium bisulfate (corrosive with toxic vapors). The product was leaking from a pipe inside the vehicle. The quantity of material spilled was unknown. This incident occurred on December 16, 1986.

†<sup>39</sup> BRFD Incident Report #1653, Prince Rubber and Plastics (10296 South Choctaw Dr). An employee at 10296 South Choctaw spilled methyl ethyl ketone on himself and was transported to the hospital by EMS. This incident occurred on February 19, 1985. No note of the amount of material spilled was given.

†<sup>1</sup> BRFD Incident Report #7060, South Choctaw and Flannery Rd. Approximately 20 gallons of diesel spilled at the intersection of South Choctaw and Flannery on July 29, 1985. No note of cleanup was given.

5.1.6 Louisiana Department of Natural Resources. Table 16 lists wells recorded with the Louisiana Department of Natural Resources located in East Baton Rouge Parish. The fields within the parish are: University, Nesser, Burtville, North Burtville, Baton Rouge, Hope Villa, Sardine Point, Siegen, and Willow Glen. Beaver Bayou runs through University Field. Oil and gas wells are potential sources of petroleum hydrocarbon contamination and naturally occurring radioactive material (NORM) contamination as well as potential sources of physical hazards if they fall within construction zones. Even closed wells present physical hazards since the closure procedures generally require only that the well be cut off at 18" below plow depth (roughly 3' to 4'), plugged at the top 2' or 3', and a plate welded to the top. This leaves an open shaft of 6" to 30" diameter from approximately 5' to 7' below the surface to the depth of the well, usually 10,500' to 18,000' which could be opened during grading operations. Wells of particular concern are indicated by a dagger. The search area for Table 16 extends 0.5 miles from the centerline of the project stream.

Contamination within the pits listed in Table 17 is primarily caused by "produce water" associated with the production of oil and gas. Substances from deep within the earth naturally

contain low levels of natural radiation. For periods extending as long as 30 years, these produce waters were disposed of in the pits. Over time, concentrated sludges were formed in the pits which contained high levels of radiation. Often, these pits were closed by filling and capping.

TABLE 16  
LDNR WELL LOCATIONS AND DESCRIPTIONS

SERIAL	WELL NAME	#	ST <sup>1</sup>	FIELD	LAT <sup>2</sup>	LONG <sup>2</sup>	DEP <sup>3</sup>	OPERATOR
178188	9200 Ra Sua;LSU A	001	30	Baton Rouge	N/A	N/A	10290	Denovo Oil & Gas Co
059193	William H Bates	001	29	Baton Rouge	302414	910754	10202	Inactive Operator
† <sup>63</sup> 053976	Baton Rouge Unit J	001	29	Baton Rouge	302336	910631	10253	Inactive Operator
171987	Morgan 2 Ra Sua;Jones	001	30	Baton Rouge	N/A	N/A	11050	Denovo-Lake Shore
212778	LC&L	001	29	Baton Rouge	N/A	N/A	10250	Texas Meridian Operg Co Inc
† <sup>64</sup> 165378	Gottlieb Et Al	001	29	Baton Rouge	302341	910720	11360	Brock Exploration Corpor
971108	Jones Lakeshore SWD	001	30	Baton Rouge	301334	910704	04051	Denovo Oil & Gas Inc
† <sup>65</sup> 069501	Baton Rouge M2 Unit 3	002	29	Baton Rouge	302358	910629	10208	Arco O&G Co-Div Atl Rich Co
048290	Nb Sub;Morgan	001A	30	Baton Rouge	302348	910624	10406	Inactive Operator
050103	BR Nb Sub;Morgan	001	30	Baton Rouge	302353	910648	10200	Inactive Operator
051358	8200 Su A;Digeralamo	001	30	Baton Rouge	302355	910655	10504	Inactive Operator
† <sup>66</sup> 051465	8750 Sua;Oby	001	30	Baton Rouge	302359	910617	10652	Inactive Operator
051994	Baton Rouge Unit F	001	30	Baton Rouge	302348	910624	10300	Arco O&G Co-Div Atl Rich Co
† <sup>67</sup> 052328	BR M1 Sua;Gladden	001	30	Baton Rouge	302346	910658	10220	Inactive Operator
† <sup>68</sup> 052486	M2 Sub;Short	001	30	Baton Rouge	302342	910642	10225	Inactive Operator
† <sup>69</sup> 056160	BR M2 Sua;Morgan	001	30	Baton Rouge	302347	910651	10200	Inactive Operator
056297	BR K2 Sub Morgan	001	30	Baton Rouge	302349	910637	10203	Inactive Operator
† <sup>70</sup> 051973	L S U	002	29	Baton Rouge	302352	910705	10210	Arco O&G Co-Div Atl Rich Co
† <sup>71</sup> 052411	Carl Digeralamo	002	29	Baton Rouge	302410	910648	10255	Inactive Operator
† <sup>72</sup> 016012	LA Inv Co & Union Sec	001	29	Baton Rouge	302247	910844	06515	Inactive Operator
046582	M L Hoffman	001	29	Burtville	301945	910713	10000	Shell Oil Company
064780	K C Burden Etal	001	29	Burtville	301930	910657	10225	Inactive Operator
045213	V J Gianelloni	008	29	Burtville	301946	910619	10315	Lyons Petroleum, Inc
052469	M L Hoffman	003	29	Burtville	301939	910728	11000	Shell Oil Company
181631	Gianelloni Et Al	001	29	Burtville	302013	910612	10550	Estof Wmg Helis a Partnership
043459	V J Gianelloni	004	29	Burtville	301932	910520	11058	Shell Oil Company
115268	Vivian J Gianelloni	001	29	Burtville	301943	910515	10200	Inactive Operator
050032	BRTV X Ra Su;Gianelloni	013	30	Burtville	301922	910601	10994	Mullins & Prichard
049055	M L Hoffman	002	29	Burtville	301953	910713	10002	Shell Oil Company
041855	V J Gainelloni	002	30	Burtville	301942	910523	11085	Mullins & Prichard
042831	V J Gainelloni	003	30	Burtville	301936	910550	10973	Shell Oil Company
044020	S Ra Suf;V J Gianelloni	005	30	Burtville	301943	910537	09948	Mullins & Prichard
044599	V J Gianelloni	006	30	Burtville	301945	910551	09950	Mullins & Prichard
044956	V J Gianelloni	007	30	Burtville	301946	910607	09952	Mullins & Prichard
045576	V J Gianelloni	009	30	Burtville	301947	910632	09993	Mullins & Prichard
059014	Gianelloni	015	29	Burtville	301927	910631	12214	Shell Oil Company
048590	V J Gainelloni	012	29	Burtville	302036	910656	11440	Shell Oil Company
100942	S Ra Sud;V J Gianelloni	018	30	Burtville	301945	910600	09797	Mullins & Prichard
101614	R Ra Sua;Gainelloni	018D	30	Burtville	301945	910600	09950	Mullins & Prichard
107520	John C Burden Et Al	001	30	Burtville	301908	910644	11310	General American Oil Co of Tx
134680	V J Gianelloni	019	30	Burtville	301946	910612	11150	Mullins & Prichard
109915	Vivian J Gianelloni Et Al	001	29	Burtville	301912	910610	11100	Inactive Operator
114985	J C Burden	001	29	Burtville	301923	910723	11101	Inactive Operator



TABLE 16 (CONTINUED)  
LDNR WELL LOCATIONS AND DESCRIPTIONS

SERIAL	WELL NAME	#	ST <sup>1</sup>	FIELD	LAT <sup>2</sup>	LONG <sup>2</sup>	DEP <sup>3</sup>	OPERATOR
970020	V J Gianelloni Swd		001	29	Burtville	301932	910538	04768 Mullins & Prichard
970021	Gianelloni Swd		002A	29	Burtville	N/A	N/A	06925 Mullins & Prichard
205765	Woodstock Plant'n Lp Etal		001	29	Burtville	301954	910645	09900 Dynamic Exploration, Inc
079241	Gianelloni		016	29	Burtville	302004	910457	12000 Shell Oil Company
057428	BRTV X Ra Su;Gianelloni		014	30	Burtville	301927	910614	10990 Mullins & Prichard
040580	BRTV X Ra Su;Gianelloni		001	30	Burtville	301935	910536	12100 Mullins & Prichard
045918	S Su A Burden		001	30	Burtville	301645	910947	09995 Shell Oil Company
046245	J C Burden		002	30	Burtville	301947	910657	09996 Shell Oil Company
047008	V J Gianelloni		010	30	Burtville	301954	910614	10002 Mullins & Prichard
048030	BRTV X Ra Su;Gianelloni		011	30	Burtville	301930	910547	11000 Mullins & Prichard
188976	Steinbach		002	30	N Burtville	302100	910823	09900 Denovo Oil & Gas, Inc
189986	NBRTV 9300 Ra Su;Steinbach		002D	30	N Burtville	302100	910823	09900 Denovo Oil & Gas, Inc
181530	S J Gianelloni Jr		005	30	N Burtville	302035	910700	10300 Denovo Oil & Gas, Inc
174333	Nbrtv 9700 Ra Su;Gianelloni		003	10	N Burtville	302020	910720	11382 Denovo Oil & Gas, Inc
972245	S J Gianelloni Jr SWD		004	63	N Burtville	N/A	N/A	04990 Denovo Oil & Gas, Inc
204877	S J Gianelloni Jr		001	29	N Burtville	302045	910630	09900 Caddi Mgmt-Palmer Petro Inc
176205	Nbrtv 9650 Ra Su;Gianelloni		003D	22	N Burtville	N/A	N/A	11382 Denovo Oil & Gas, Inc
176866	Nbrtv 9700 Ra Su;Gianelloni		004	22	N Burtville	302040	910741	11366 Denovo Oil & Gas, Inc
186281	Nbrtv 9700 Ra Su;EBR Parish		001	22	N Burtville	302055	910813	10300 Denovo Oil & Gas, Inc
187720	Nbrtv 9700 Ra Su;Gainelloni		009	22	N Burtville	302045	910815	10050 Denovo Oil & Gas, Inc
191248	Nbrtv 9650 Ra Su;Gianelloni		010D	22	N Burtville	302054	910741	10850 Denovo Oil & Gas, Inc
188247	Nbrtv 9700 Ra Su;Steinbach		001	10	N Burtville	302052	910823	10491 Denovo Oil & Gas, Inc
188587	Nbrtv 9700 Ra Su;Gianelloni		010	10	N Burtville	302054	910741	10850 Denovo Oil & Gas, Inc
190168	Nbrtv 9300 Ra Su;Gianelloni		009D	10	N Burtville	302045	910815	10050 Denovo Oil & Gas, Inc
204816	Nbrtv 9700 Ra Su;Gianelloni		012	10	N Burtville	302036	910803	09917 Denovo Oil & Gas, Inc
205233	Nbrtv 9650 Ra Su; Gianelloni		012D	10	N Burtville	302036	910803	09917 Denovo Oil & Gas, Inc
191541	S J Gianelloni Jr A		001	29	N Burtville	302044	910705	10000 Goldking Production Co
171991	Nbrtv 9650 Ra Su;Gianelloni		002D	10	N Burtville	302040	910745	11705 Denovo Oil & Gas, Inc
190425	Nbrtv 9300 Ra Su;EBR Parish		001D	10	N Burtville	302055	910813	10319 Denovo Oil & Gas, Inc
187111	Nbrtv 9700 Ra Su;Gianelloni		008	33	N Burtville	302056	910755	11150 Denovo Oil & Gas, Inc
189985	Nbrtv 9650 Ra Su;Steinbach		001D	42	N Burtville	302052	910823	10491 Denovo Oil & Gas, Inc
200837	Gulf Union Ind Inc SWD		001	63	N Burtville	302105	910809	09918 Denovo Oil & Gas, Inc
165504	S J Gianelloni Jr		001D	22	N Burtville	302038	910734	11084 Denovo Oil & Gas, Inc
170515	Nbrtv 9700 Ra Su;Gianelloni		002	22	N Burtville	302040	910745	11705 Denovo Oil & Gas, Inc
186563	Nbrtv 9650 Ra Su;Gianelloni		007	10	N Burtville	302049	910804	10101 Denovo Oil & Gas, Inc
970970	S J Gianelloni Jr SWD		001	63	N Burtville	302036	910734	04511 Denovo Oil & Gas, Inc
189984	Mbrtv 9300 Ra Su;Gianelloni		008D	33	N Burtville	302056	910755	11250 Denovo Oil & Gas, Inc
† <sup>D15</sup> 195453	Sidney L Hornsby Et Al		001	29	N Burtville	302046	910832	00000 Goldking Production Co
182885	S J Gianelloni Jr		006	29	N Burtville	302044	910705	10437 Goldking Production Co
179438	9330 Ra Sua;Gianelloni		004D	22	N Burtville	302040	910741	11366 Denovo Oil & Gas, Inc
164163	Nbrtv 9700 Ra Su;Gianelloni		001	10	N Burtville	302038	910734	11084 Denovo Oil & Gas, Inc
031463	J B Phillips		001	29	Hope Villa	302236	905819	09630 Inactive Operator
193207	J Burton LeBlanc Jr Et Al		001	29	Hope Villa	302244	905800	09700 Great Southern Oil&Gas Co Inc
029128	Fred O Piker		001	29	Hope Villa	302253	905817	10100 Inactive Operator
097363	LeBlanc Etal		001	31	Hope Villa	302259	905716	08010 Inactive Operator
191729	9870 Ra Sua;Keller		002	30	Hope Villa	302211	905911	11000 Denovo Oil & Gas, Inc
187535	Evans Ra Sua;McNutt		001	30	Hope Villa	302249	905817	09650 Denovo Oil & Gas, Inc



TABLE 16 (CONTINUED)  
LDNR WELL LOCATIONS AND DESCRIPTIONS

SERIAL	WELL NAME	#	ST <sup>1</sup>	FIELD	LAT <sup>2</sup>	LONG <sup>2</sup>	DEP <sup>3</sup>	OPERATOR
030609	Lee Denham		001	29	Hope Villa	302221	905902	10302 Inactive Operator
028496	L P Phillips		001	30	Hope Villa	302242	905813	09874 Inactive Operator
138893	Vua;Charles R Bernhard		001	29	Hope Villa	302249	905830	09810 Louisiana Crude Oil&Gas Co Inc
093842	J Burton LeBlanc		001	29	Hope Villa	302236	905727	09600 Inactive Operator
098454	LeBlanc Et Al		001A	29	Hope Villa	302257	905717	09859 Inactive Operator
189987	Doles Et Al		001	29	Nesser	302220	910158	00000 Goldking Production Co
† <sup>73</sup> 056452	Frank Campbell		001	30	Nesser	302236	910305	10996 Inactive Operator
163484	Ns 5500 Ra Su;Laborde		001	10	Nesser	302230	910245	05636 Denovo Oil & Gas, Inc
180084	Ns 5500 ra Su;Lawson		001	30	Nesser	302239	910227	06011 Denovo Oil & Gas, Inc
174505	Ns 5500 Ra Su;Montan		001	30	Nesser	N/A	N/A	05954 Denovo Oil & Gas, Inc
† <sup>74</sup> 060248	Joseph C Roberts		001	29	Nesser	302245	910343	10424 Inactive Operator
060811	J O Lambert		001	29	Nesser	302313	910150	10273 Inactive Operator
† <sup>75</sup> 063396	W R Pecue		002	29	Nesser	302233	910314	10390 General American Oil Co of Tx
† <sup>76</sup> 189576	Dalton Laborde SWD		004	63	Nesser	302224	910246	06017 Denovo Oil & Gas, Inc
† <sup>77</sup> 180886	Ns 5500 Ra Su;Laborde		003	10	Nesser	302218	910256	05790 Denovo Oil & Gas, Inc
165591	Ns 5500 Ra Su;Laborde		002	10	Nesser	302238	910238	05789 Denovo Oil & Gas, Inc
018971	Vignes		001	29	Nesser	302211	905904	06623 Inactive Operator
† <sup>78</sup> 057656	W R Pecue		001	30	Nesser	302239	910311	10428 General American Oil Co of Tx
058636	Gray Cain Kleinpeter		001	30	Nesser	302221	910226	10405 Inactive Operator
† <sup>79</sup> 058915	Frank Campbell		003	30	Nesser	302229	910257	10413 Inactive Operator
† <sup>80</sup> 063954	Frank Campbell		002	30	Nesser	302231	910307	10400 Inactive Operator
† <sup>81</sup> 198341	Martin Olshan		001	29	Nesser	302215	910320	05818 Marline Petroleum Corporation
179956	Ronald J Toomer		001	29	Nesser	N/A	N/A	05972 Goldking Production Co
142059	Marx Hoffman		001	29	Sardine Point	301935	910747	09962 Kennmore Oil Co, Inc
† <sup>D16</sup> 081555	St Gianelloni-Ferro		001	22	Sardine Point	301956	910809	11000 Zinn Petroleum Co
† <sup>D17</sup> 105000	9800Sub;Mrs Phillip Ferro		001	22	Sardine Point	301950	910744	09911 Zinn Petroleum Co
† <sup>D18</sup> 078796	P Ferro Et Al		001	30	Sardine Point	301944	910802	10997 Chevron USA Inc
† <sup>D19</sup> 082817	Gianelloni		017	29	Sardine Point	302002	910755	09951 Shell Oil Company
† <sup>D20</sup> 082820	SI 3579 Gianelloni Etal U1		001	29	Sardine Point	301956	910810	10106 Shell Oil Company
† <sup>D21</sup> 080043	SI 3579-Mrs P Ferro EtalSwd		001	63	Sardine Point	301942	910800	10118 Zinn Petroleum Co
051299	State Lease No 1909		001	29	Sardine Point	302051	911051	10629 Inactive Operator
143592	9700 Ra Sub;P Ferro		002	10	Sardine Point	301950	910755	09950 Zinn Petroleum Co
† <sup>D22</sup> 106145	9700 Ra Suc;Ferro Et Al		001D	10	Sardine Point	301950	910744	09911 Zinn Petroleum Co
† <sup>D23</sup> 144908	SI 5943		001	29	Sardine Point	302004	910811	10608 Mosbacher Energy Company
† <sup>D24</sup> 135632	S J Gianelloni		001	29	Sardine Point	302004	910811	10027 McMoran Exploration Company
† <sup>D25</sup> 082762	9700 Ra Sua;Gianelloni-Ferro		001D	10	Sardine Point	301956	910809	11003 Zinn Petroleum Co
† <sup>D26</sup> 970032	Mrs Phillip Ferro SWD		001	63	Sardine Point	301950	910744	04270 Zinn Petroleum Co
207134	Pecue		001	30	Siegen	302258	910319	10500 Paw Drilling & Well Serv Inc
† <sup>82</sup> 187150	Sgn Ns 2 Rc Su;Kleinpeter		008	10	Siegen	302316	910428	10300 Denovo Oil & Gas, Inc
† <sup>83</sup> 151010	Sgn Ns 2 Ra Su;Kleinpeter		001	30	Siegen	302310	910435	11110 Denovo Oil & Gas, Inc
194105	Sgn Ns 3 Rd Su;Pecue		002	10	Siegen	302252	910326	10680 Denovo Oil & Gas, Inc
† <sup>84</sup> 172087	Sgn Ns 2 Rd Su;Fee		001D	10	Siegen	302316	910420	10559 Denovo Oil & Gas, Inc
177339	8780 Ra Sua;Kleinpeter		005	10	Siegen	N/A	N/A	10190 Denovo Oil & Gas, Inc
† <sup>85</sup> 179627	R L Kleinpeter		005D	33	Siegen	302322	910428	10190 Denovo Oil & Gas, Inc
† <sup>86</sup> 185365	Mt Ra Sua;Kleinpeter		007	33	Siegen	302314	910432	10589 Denovo Oil & Gas, Inc
† <sup>87</sup> 156159	D H Holmes		001	29	Siegen	302326	910512	10320 Goldking Production Co
† <sup>88</sup> 175601	Sgn Ns 3 Rd Su;Fee		003	22	Siegen	302304	910420	10604 Denovo Oil & Gas, Inc
† <sup>89</sup> 188322	8760 Ra Sua;Goldking		004	33	Siegen	302326	911001	09780 Denovo Oil & Gas, Inc

TABLE 16 (CONTINUED)  
LDNR WELL LOCATIONS AND DESCRIPTIONS

SERIAL	WELL NAME	#	ST <sup>1</sup>	FIELD	LAT <sup>2</sup>	LONG <sup>2</sup>	DEP <sup>3</sup>	OPERATOR
† <sup>90</sup>	189006 Sgn Ns 3 Rd Su;Medisave	001	33	Siegen		302254	910337	10700 Denovo Oil & Gas, Inc
† <sup>91</sup>	174458 Sgn Ns 2 Rd Su;Fee	002D	10	Siegen		302311	910410	11000 Denovo Oil & Gas, Inc
† <sup>92</sup>	158300 Sgn Ns 2 Rc Su;Kleinpeter	004	33	Siegen		302317	910432	11225 Denovo Oil & Gas, Inc
† <sup>93</sup>	159437 R L Kleinpeter	004D	33	Siegen		302311	910434	11225 Denovo Oil & Gas, Inc
	176850 Sgn Ns 2 Rd Su;Fee	003D	33	Siegen		302304	910358	10604 Denovo Oil & Gas, Inc
† <sup>94</sup>	206470 St George	001	29	Siegen		302241	910419	10431 Denovo Oil & Gas, Inc
† <sup>95</sup>	183944 Ns 3 Re Sua;Terrace Land Co	002	30	Siegen		302256	910405	10725 Denovo Oil & Gas, Inc
† <sup>96</sup>	184784 Sgn Ns 2 Rb Su;Terrace	002D	30	Siegen		302256	910405	10725 Denovo Oil & Gas, Inc
† <sup>97</sup>	185549 8440 Ra Sua;Kleinpeter	006	30	Siegen		302331	910432	09975 Denovo Oil & Gas, Inc
† <sup>98</sup>	158809 Sgn Ns 3 Ra Su;Kleinpeter	003	30	Siegen		302311	910432	11481 Denovo Oil & Gas, Inc
† <sup>99</sup>	159763 Sgn Ns 3 Rb Su;Terrace Land	001	30	Siegen		302305	910420	11000 Denovo Oil & Gas, Inc
† <sup>100</sup>	152815 Sgn 10500 Ra Su;Kleinpeter	002	30	Siegen		302318	910441	11520 Denovo Oil & Gas, Inc
† <sup>101</sup>	153863 Sgn Ns 2 Ra Su;Wimbleton	001	30	Siegen		302321	910454	11518 Denovo Oil & Gas, Inc
† <sup>102</sup>	155675 Sgn Ns 2 Rb Su;Terrace Land	001D	30	Siegen		302305	910420	12000 Goldking Production Co
	156755 Sgn Ns 2 Ra Su;Kleinpeter	002D	30	Siegen		302318	910441	11518 Denovo Oil & Gas, Inc
† <sup>103</sup>	156756 Sgn Ns 2 Ra Su;Kleinpeter	001D	30	Siegen		302310	910435	11110 Denovo Oil & Gas, Inc
† <sup>104</sup>	173175 Sgn Ns 3 Rd Su;Fee	002	33	Siegen		302311	910410	11000 Denovo Oil & Gas, Inc
† <sup>105</sup>	170865 Sgn Ns 3 Rd Su;Fee	001	33	Siegen		302316	910420	10559 Denovo Oil & Gas, Inc
	209648 Forrest Et Al	001	29	Siegen		302258	910305	06974 Unknown
	970018 Siegen SWD	001	63	Siegen		302316	910315	04824 Denovo Oil & Gas, Inc
† <sup>106</sup>	190176 Sgn Ns 2 Rd Su;Medisave	001D	10	Siegen		302254	910337	10700 Denovo Oil & Gas, Inc
† <sup>107</sup>	161610 Sgn Ns 2 Ra Su;Kleinpeter	003D	30	Siegen		302311	910432	11481 Denovo Oil & Gas, Inc
	971098 Goldking Properties Fee SWD	001	63	Siegen		N/A	N/A	04806 Denovo Oil & Gas, Inc
† <sup>108</sup>	179741 Sgn Ns 3 Rd Su;Monhegan	001	30	Siegen		302255	910347	11620 Denovo Oil & Gas, Inc
	097576 Nelson A	018	10	University		N/A	N/A	08717 Memorial Exploration Company
† <sup>109</sup>	171817 Nelson	014D	33	University		302338	910948	09960 Memorial Exploration Company
	188464 Vua;Hynes	001	30	University		302359	911011	07006 Lakeshore Petroleum Co
	023512 Kizor Community	001	29	University		302359	910857	07356 Inactive Operator
	035767 Bank of Baton Rouge	001	29	University		302259	911012	10078 Inactive Operator
	971619 Duplantier Estate SWD	001	63	University		N/A	N/A	04743 South Oak Production Co
	107742 7400 Ra Sua;Duplantier AA	001	10	University		302342	911008	10360 Memorial Exploration Company
† <sup>110</sup>	022686 Neslon	005	10	University		302339	910948	07500 Memorial Exploration Company
† <sup>111</sup>	022871 Duplantier A	007	10	University		302341	911001	06950 Memorial Exploration Company
† <sup>112</sup>	024827 Duplantier C	004	10	University		302339	910935	07199 Memorial Exploration Company
† <sup>113</sup>	026656 Nelson	012	10	University		302328	910942	10014 Memorial Exploration Company
† <sup>114</sup>	027694 Kennard Suc;Nelson	013	10	University		302325	910930	10285 Memorial Exploration Company
† <sup>115</sup>	028162 Nelson	014	10	University		302338	910948	09960 Memorial Exploration Company
	028575 9400 Sub;LSU B	001	10	University		302330	911042	09918 Memorial Exploration Company
	029182 9600 Sua;Dearing Comm A	001	10	University		302321	911037	09950 Memorial Exploration Company
	029515 8750 Ra Suc;LSU B	002	10	University		302339	911040	09870 Memorial Exploration Company
	029752 Kennard Suh;Dearing Comm	002	10	University		302321	911047	09969 Memorial Exploration Company
	029913 9200 Suc;Duplantier Comm	001	10	University		302339	911031	09814 Memorial Exploration Company
† <sup>116</sup>	033114 Duplantier C	009	10	University		302341	910934	10050 Memorial Exploration Company
	033953 8000 Ra Sua;DF&M Comm	001	10	University		302349	911011	10014 Memorial Exploration Company
	035610 Knox-Amiss-Community	003	10	University		302406	911027	09504 Merl Wiggins Et Al
	035624 Knox-Amiss-Farnbacher	008	10	University		302402	911035	09337 Merl Wiggins Et Al
	036243 Dearing Community	003	29	University		302324	911108	09476 Inactive Operator
	036489 Bank of Baton Rouge	001	29	University		302259	911012	10173 Inactive Operator

TABLE 16 (CONTINUED)  
LDNR WELL LOCATIONS AND DESCRIPTIONS

SERIAL	WELL NAME	#	ST <sup>1</sup>	FIELD	LAT <sup>2</sup>	LONG <sup>2</sup>	DEP <sup>3</sup>	OPERATOR
	038242	Cooper-Farr Unit	001	29	University	302421	910914	08503 Inactive Operator
† <sup>117</sup>	024130	Kennard Sul;Reinken	002	28	University	302329	910921	06805 Inactive Operator
	027280	Duplantier A	009	28	University	302332	911016	10194 Inactive Operator
	030328	LSU B	003	28	University	302346	911044	09723 Senior G&A Operating Co Inc
	032295	Kennard Suk;LSU B	005	28	University	302347	911045	09345 Senior G&A Operating Co Inc
	032838	Kennard Sua;LSU B	006	28	University	302333	911101	09425 Senior G&A Operating Co Inc
	175602	9700 Duplantier A Sua;Dup A	010	33	University	302339	911010	00000 Memorial Exploration Company
	158184	LSU Board of Supervisors	002	30	University	302233	910956	10246 Merl Wiggins Et Al
† <sup>118</sup>	970894	Dearing Community B SWD	001	30	University	302327	911009	03634 Merl Wiggins Et Al
	020893	Duplantier A	001	30	University	N/A	N/A	06922 Inactive Operator
† <sup>119</sup>	021273	Nelson	001	30	University	302329	910956	06485 Midhurst Oil Corporation
	021773	Duplantier	003	30	University	302338	911021	06819 Inactive Operator
† <sup>120</sup>	021931	Nelson SWD	002	30	University	302325	910950	07158 C & K Petroleum, Inc
† <sup>121</sup>	021941	Duplantier A	004	30	University	302328	911002	06481 Midhurst Oil Corporation
† <sup>122</sup>	022024	Nelson	003	30	University	302322	910943	06476 Midhurst Oil Corporation
	022025	Duplantier	005	30	University	302345	911025	06955 Inactive Operator
	022168	Williams	001	30	University	302349	911025	06481 Midhurst Oil Corporation
	022381	Duplantier	001	30	University	N/A	N/A	06491 Inactive Operator
	022533	Duplantier D	001	30	University	302348	911006	06909 C & K Petroleum, Inc
† <sup>123</sup>	022537	Richard Community	001	30	University	302352	910928	06676 Inactive Operator
† <sup>124</sup>	022561	G F Morgan	001	30	University	302344	910946	07235 Inactive Operator
	022562	E A Duplantier	001	30	University	302358	910955	06506 Inactive Operator
	022591	D A and EA Duplantier	002	30	University	N/A	N/A	06440 Inactive Operator
	022624	Knox Etal-Community	001	30	University	302412	911022	06485 Inactive Operator
	022627	Mazzrisa	001	30	University	302352	911028	06480 Inactive Operator
	022628	Farris & Middleton	001	30	University	302356	911007	07232 Inactive Operator
	022644	Jos Gebelin Et Al	001	30	University	302402	911012	06481 Inactive Operator
† <sup>125</sup>	022757	Duplantier B	001	30	University	302354	910947	06505 Midhurst Oil Corporation
	022758	L S U	003A	30	University	302415	911032	06481 Inactive Operator
	022759	Duplantier D	003	30	University	302348	911015	06495 Midhurst Oil Corporation
	022793	D J Morgan	002	30	University	302327	911021	06540 Inactive Operator
	022822	Bowles University Hills	001	30	University	302404	910950	06496 Memaca Petroleum Corporation
	022872	Duplantier	D-2	30	University	302353	911009	06474 Inactive Operator
	022873	Williams	002	30	University	302357	911015	06479 Inactive Operator
	022874	Materiste SWD	002	30	University	302400	911021	06480 Aralpa Corporation
	022915	Knox Amiss & Farnbacher	004	30	University	302405	911039	06481 Wiggins - Lieux Oil & Gas Co
	022916	Knox Amiss & Farnbacher	005	30	University	302410	911040	06482 Inactive Operator
	022917	Knox Amiss & Farnbacher	006	30	University	302356	911037	06482 Inactive Operator
	022933	College Town Community	001	30	University	302420	911016	06510 Inactive Operator
	022934	University Hills	001	30	University	302401	910952	06535 Inactive Operator
† <sup>126</sup>	022937	Reiken	001	30	University	302326	910907	06512 Inactive Operator
† <sup>127</sup>	022964	Richard Comm	002	30	University	302336	910926	06522 Inactive Operator
† <sup>128</sup>	022965	Irby C Nichols Community	001	30	University	302337	910928	06513 Inactive Operator
† <sup>129</sup>	022983	McDonald Community	001	30	University	302332	910928	06486 Inactive Operator
† <sup>130</sup>	023011	Duplantier "A"	008	30	University	302340	910956	07472 Midhurst Oil Corporation
† <sup>131</sup>	023035	Duplantier B	002	30	University	302348	910945	07225 Midhurst Oil Corporation
	023036	Duplantier B	003	30	University	302401	910946	06500 Midhurst Oil Corporation
	023037	Materiste	003	30	University	302357	911026	06475 Inactive Operator

TABLE 16 (CONTINUED)  
LDNR WELL LOCATIONS AND DESCRIPTIONS

SERIAL	WELL NAME	#	ST <sup>1</sup>	FIELD	LAT <sup>2</sup>	LONG <sup>2</sup>	DEP <sup>3</sup>	OPERATOR
023038	University Hills Inc		002	30	University	302412	910949	06516 Inactive Operator
023039	University Hills		003	30	University	302408	910946	06508 Inactive Operator
023067	Duplantier		A-6	30	University	302343	911017	06480 Inactive Operator
023105	L S U		004A	30	University	302421	911020	06489 Inactive Operator
023106	L S U		005A	30	University	302415	911037	06900 Inactive Operator
023107	College Town Sub Div C		002	30	University	302413	911016	06493 Inactive Operator
023117	Bogan-Davidson		001	30	University	302421	911012	06877 Inactive Operator
† <sup>132</sup> 023141	Irby C Nichols		002	30	University	302340	910923	04450 Inactive Operator
023196	Materiste		004	30	University	302406	911018	06472 Inactive Operator
† <sup>133</sup> 023298	Nelson		006	30	University	302330	910933	06475 Midhurst Oil Corporation
023417	College Town A		A-2	30	University	302414	911016	06526 H L Hawkins & H L Hawkins Jr
023418	University Hills Sub Div		002	30	University	302404	911007	06498 Inactive Operator
† <sup>134</sup> 023440	Duplantier		C001	30	University	302344	910929	06500 Midhurst Oil Corporation
† <sup>135</sup> 023559	Nelson		007	30	University	302330	910943	06485 Midhurst Oil Corporation
† <sup>136</sup> 023605	Duplantier C		002	30	University	302340	910933	06500 Inactive Operator
023606	Duplantier B		004	30	University	302405	910942	06498 Inactive Operator
023620	Collegetown Sub Div		A-3	30	University	302412	911017	06411 Inactive Operator
† <sup>137</sup> 023774	McDonald		002	30	University	302334	910923	07220 Inactive Operator
023823	University Hills		003	30	University	302408	910955	06510 Inactive Operator
† <sup>138</sup> 023871	Duplantier C		003	30	University	302347	910935	06497 Midhurst Oil Corporation
† <sup>139</sup> 023937	McDonald		003	30	University	302335	910922	06809 Inactive Operator
† <sup>140</sup> 023981	Duplantier B		005	30	University	302355	910938	06052 Inactive Operator
† <sup>141</sup> 024129	Richard Comm		003	30	University	302329	910926	06814 Inactive Operator
† <sup>142</sup> 024131	Nicholls Comm		003	30	University	302335	910925	00000 Inactive Operator
† <sup>143</sup> 024132	Rosebush		001	30	University	302331	910916	06813 Inactive Operator
024139	LSU "A"		006	30	University	302415	911024	06493 Ashland Oil Inc
† <sup>144</sup> 024333	Learner Community		001	30	University	302324	910918	06777 Inactive Operator
024343	J A Deering		001	30	University	302327	911014	07228 Inactive Operator
† <sup>145</sup> 024708	Nelson		009	30	University	302326	910937	06804 Midhurst Oil Corporation
† <sup>146</sup> 024878	Hatfield Community		001	30	University	302340	910912	07242 Inactive Operator
† <sup>147</sup> 024956	Nelson		010	30	University	302333	910937	07169 Midhurst Oil Corporation
† <sup>148</sup> 025049	Duplantier C		005	30	University	302347	910936	04395 Midhurst Oil Corporation
025057	Duplantier Dennis A		004	30	University	302349	910856	07200 Inactive Operator
† <sup>149</sup> 025112	Nelson		011	30	University	302324	910928	06802 Midhurst Oil Corporation
† <sup>150</sup> 025290	Reinken		003	30	University	302341	910915	06808 Inactive Operator
† <sup>151</sup> 025312	Duplantier		005	30	University	302348	910953	06799 Inactive Operator
† <sup>152</sup> 025475	Rosebush		002	30	University	302331	910917	04400 Inactive Operator
† <sup>153</sup> 027107	Richard Victory		001	30	University	302343	910921	09696 Inactive Operator
† <sup>154</sup> 027664	Griffith		001	30	University	302329	910914	10160 Inactive Operator
† <sup>155</sup> 034993	Nelson		016	29	University	302311	910951	10135 Inactive Operator
† <sup>156</sup> 030078	Dearing Community B		001	30	University	302326	911009	09600 Merl Wiggins Et Al
030930	Mac Victory		002	30	University	302316	911015	10070 Inactive Operator
031423	9400 S U E; M & W Comm		001	30	University	302351	911032	09685 C & K Petroleum
† <sup>157</sup> 033454	Duplantier Morgan		001	30	University	302347	910958	09993 Inactive Operator
† <sup>158</sup> 033479	9300 Sua;Duplantier		C-6	30	University	302354	910936	09667 Midhurst Oil Corporation
034581	Helis-Karsten Unit 2		001	30	University	302400	911018	09990 Midhurst Oil Corporation
035323	Univ Hills		001	30	University	302423	910937	09511 Memaca Petroleum Corporation
036595	L S U C		001	30	University	302414	911031	09500 Mishurst Oil Corporation



TABLE 16 (CONTINUED)  
LDNR WELL LOCATIONS AND DESCRIPTIONS

SERIAL	WELL NAME	#	ST <sup>1</sup>	FIELD	LAT <sup>2</sup>	LONG <sup>2</sup>	DEP <sup>3</sup>	OPERATOR
036699	W B Kennard		001	30	University	302426	910949	09623 Inactive Operator
036839	Univ Hills Community		A-1	30	University	302400	910952	09550 Inactive Operator
036986	College Town Community		001C	30	University	302422	911013	09618 Inactive Operator
† <sup>159</sup> 037489	Kennard Sud;Nelson		016A	30	University	302311	910951	09400 Midhurst Oil Corporation
037490	L S U C		002	30	University	302421	911024	08486 Midhurst Oil Corporation
† <sup>160</sup> 037491	J Dodson		001	30	University	302317	910916	08412 SCR Petroleum Exploration, Inc
037543	College Town Community		D-1	30	University	302419	911016	09606 Inactive Operator
037568	Duplantier-Jolly Unit 1		001	30	University	302419	910933	08250 Inactive Operator
† <sup>161</sup> 037621	Richard Victory		002	30	University	302336	910927	08356 Inactive Operator
037630	Duplantier B SWD		006	30	University	302407	910940	11470 Memorial Exploration Company
† <sup>162</sup> 037867	Nelson		002	30	University	302330	910908	08400 Inactive Operator
038332	Reinken Unit No 2		001	30	University	302350	910913	09500 Inactive Operator
038875	Bogan-Davidson Community		001	30	University	302426	911001	08353 Inactive Operator
† <sup>163</sup> 038876	Reinken Unit 2		002	30	University	302343	910915	08411 Inactive Operator
† <sup>164</sup> 039191	University Acres Unit		001	30	University	302342	910907	08232 Inactive Operator
039251	Mac Victory		003	30	University	302318	911014	08410 Inactive Operator
040261	Kennard Sui;Duplantier		C-7	30	University	302359	910930	09454 Midhurst Oil Corporation
166133	Materiste SWD		001	30	University	302357	911026	06475 Lakeshore Petroleum Corp
200175	Dea-LSU		001	17	University	302427	911127	05970 Amoco Production Company
† <sup>165</sup> 023511	D A Duplantier		001	00	University	302336	910934	06484 Inactive Operator
029898	Knox-Amiss-Farnbacher SWD		A1	02	University	302353	911040	09790 Merl Wiggins Et Al
† <sup>166</sup> 196033	9000 Ra Sul;Duplantier Est		001	10	University	302347	910955	09940 South Oak Production Company
162060	Ns 3 Ra Sua;Nelson		001	10	University	302252	910953	10039 Headington Oil Company
159200	L S U		001	17	University	302424	911014	10307 Louisiana State University
021339	Duplantier A SWD		002	63	University	302338	911128	07220 Memorial Exploration Company
† <sup>167</sup> 022222	Nelson SWD		004	63	University	302316	910947	07530 Memorial Exploration Company
022623	Knox Amiss Farnbacher SWD		001	63	University	302405	911031	06476 Merl Wiggins Et Al
031476	LSU B SWD		004	63	University	302344	911058	09637 Memorial Exploration Company
124298	John P Burgin		001	29	University	302322	911035	13523 Forest Oil Corporation
† <sup>168</sup> 043315	Reinken		003	29	University	302335	910917	09500 Inactive Operator
024558	Haas		001	29	University	N/A	N/A	00000 Inactive Operator
024715	Harry Nelson		001	29	University	302347	910906	06848 Inactive Operator
† <sup>169</sup> 025065	McGivney		001	29	University	302311	910856	07207 The Superior Oil Company
† <sup>170</sup> 045688	Duplantier C		010	30	University	302343	910932	09525 Midhurst Oil Corporation
† <sup>171</sup> 040613	Duplantier C		008	30	University	302352	910922	09450 Memorial Exploration Company
040685	Helis Karsten Unit 2		001A	30	University	302406	911017	08216 Midhurst Oil Corporation
196612	Ns 3 Rd Sub;LSU		001	10	University	302253	911033	10282 Callon Petroleum Company
† <sup>172</sup> 201795	Mio Ra Vua;Duplantier Estate		002	10	University	302347	910954	09666 South Oak Production Company
† <sup>173</sup> 202379	9700 Ra Sum;Duplantier Est		001	10	University	302337	911005	09800 Memorial Exploration Company
190915	J Materiste		001	10	University	302356	911026	07020 Denovo Oil & Gas, Inc
160173	Ns 1 Rb Sua;LSU		003	30	University	302233	911027	10515 Brock Exploration Corporation
178331	Nels14 Duplantier A Sua;Dup		A	010D		10	University	302339
911010	00000							Memorial Exploration Company
188149	Durso-Benton		001	29	University	302314	911135	10600 Century Mineral Corporation
176748	Nelson		019	10	University	N/A	N/A	00000 Memorial Exploration Company
039653	Mary & Babin		002	29	University	302300	911032	09937 Inactive Operator
136823	L S U		001	29	University	302452	911014	09517 Inactive Operator
167240	Materiste Etal		004	30	University	302406	911020	06550 Aralpa Corporation

TABLE 16 (CONTINUED)  
LDNR WELL LOCATIONS AND DESCRIPTIONS

SERIAL	WELL NAME	#	ST <sup>1</sup>	FIELD	LAT <sup>2</sup>	LONG <sup>2</sup>	DEP <sup>3</sup>	OPERATOR
022714	Bogan		001	29	University	N/A	N/A	00000 Inactive Operator
162865	Ns 3 Rd Sua;LSU		004	30	University	302248	911040	10170 Merl Wiggins Et Al
165311	Ns 3 Rc Sua;LSU		005	30	University	302234	911029	10600 Brock Exploration Corporation
† <sup>174</sup> 108313	Nelson		001A	29	University	302330	910952	06969 Midhurst Oil Corporation
020092	La State University		002	29	University	302331	911103	08531 Inactive Operator
021145	La State University		001A	29	University	302330	911033	07350 Inactive Operator
021485	L S U		002A	29	University	302352	911047	00000 Inactive Operator
021796	Aztec		001	29	University	302232	911009	07375 Inactive Operator
021983	McInnis		001	29	University	302220	910952	08192 Inactive Operator
022163	D J Morgan		001	29	University	302326	911021	06518 Inactive Operator
022371	Greater University LD Co		001	29	University	302350	910831	07660 Inactive Operator
† <sup>175</sup> 022512	Haase Community		001	29	University	302312	910925	07303 Inactive Operator
022667	D A & E A Duplantier		003	33	University	N/A	N/A	06475 Inactive Operator
022742	Knox-Amiss-Farnbacher		002	33	University	302409	911026	06438 Merl Wiggins Et Al
022743	Knox-Amiss-Community		A-3	33	University	302405	911039	09488 Merl Wiggins Et Al
023145	Knox Amiss Etal		007	33	University	302400	911040	06484 Inactive Operator
023292	Knox-Amiss-Community		002	33	University	302412	911022	06500 Merl Wiggins Et Al
† <sup>176</sup> 023607	Nelson		008	33	University	302332	910948	07251 Memorial Exploration Company
024342	Duplantier A		009	33	University	302332	911016	10194 Memorial Exploration Company
029028	9200 Sua;Dearing Comm		001	33	University	302311	911039	10008 Memorial Exploration Company
030218	Mac Victory		001	33	University	302320	911014	09607 Inactive Operator
† <sup>177</sup> 030332	Nelson		015	33	University	302321	910959	09991 Memorial Exploration Company
032061	Knox-Amiss-Farnbacher		A-2	33	University	302356	911040	09380 Merl Wiggins Et Al
034212	LSU		B-7	33	University	302358	911107	09480 Inactive Operator
036558	9200 Sud;Helis K U3		001	33	University	302357	910951	09966 Memorial Exploration Company
† <sup>178</sup> 037844	Kennard Sue;Nelson		017	33	University	302315	910936	10587 Memorial Exploration Company
038534	Rolston Community Unit		001	33	University	302423	910937	08450 Inactive Operator
† <sup>179</sup> 041623	Richard Victory		003	33	University	302336	910927	10378 Inactive Operator
158183	LSU SWD		001	63	University	302239	911007	11081 Headington Oil Company
164263	Materiste SWD		002	63	University	302400	911021	06479 Denovo Oil Company
† <sup>180</sup> 025517	McDonald		004	29	University	302332	910924	07233 Inactive Operator
026007	L S U		007A	29	University	302408	911116	07529 Inactive Operator
026291	L S U		008A	29	University	302409	911116	01082 Inactive Operator
029385	Mary and Babin		001	29	University	302258	911031	07877 Inactive Operator
179594	Nelson		019D	33	University	N/A	N/A	06955 Memorial Exploration Company
173480	J T Williams		001	30	University	N/A	N/A	06998 Philip B Berry Oper Co Inc

† STATUS:	02 - Injection Permitted	29 - Dry and Plugged
	10 - Active, Producing	30 - Plugged and Abandoned
	17 - Educational/Service Company	31 - Shut-in Dry Hole - FU
	20 - PA-35 Well	33 - Shut-in Protective - FU
	22 - Reverted to Single Completion	42 - Injection - Water
	28 - Unable to Locate Well-No P&A	63 - Salt Water Disposal

<sup>2</sup> Latitude and Longitude are given in degrees, minutes and seconds.

<sup>3</sup> Depth is given in feet.

N/A Not Available



In the 0.5 mile search area about the centerline of project areas, 128 wells were located and are daggered. These wells represent physical hazards, and potential contamination from petroleum products as well as radioactive material. The wells are concentrated along Bayou Fountain near the end of the project at Ben Hur Road, there are a total of 73 wells within 0.5 mile from the project in this area. Along Wards Creek between Bluebonnet and Pecue Lane there are 39 wells within the 0.5 mile search limit. Dawson Creek had 6 wells within the 0.5 mile search limit. Within a 0.5 mile radius of the proposed disposal area along the Mississippi River, there are 10 wells.

TABLE 17  
LDNR PIT DATA

ID	NAME	SER NO	FIELD	SECT <sup>1</sup>	TWN <sup>2</sup>	RNG <sup>3</sup>	TYP <sup>4</sup>	LIN <sup>5</sup>	USE <sup>6</sup>	LEN <sup>7</sup>	WID <sup>8</sup>	DEP <sup>9</sup>	ST <sup>10</sup>
17P020	Denovo Oil and Gas	971108	Baton Rouge	042	07S	01E	E	N	C	20	20	6	26
17P065	Den. Oil-Lake Shore	971108	Baton Rouge	042	07S	01E	E	N	C	20	20	6	26
17P021	Denovo Oil and Gas	165504	Burtville, N	044	08S	01E	E	N	C	45	30	7	26
17P022	Denovo Oil and Gas	174333	Burtville, N	044	08S	01E	T	N	C	40	40	8	26
17P023	Denovo Oil and Gas	970970	Burtville, N	044	08S	01E	R	N	C	100	30	5	26
17P024	Denovo Oil and Gas	191729	Hope Villa	040	08S	02E	T	N	C	10	30	3	26
17P025	Denovo Oil and Gas	163484	Nesser	049	08S	02E	T	N	C	15	30	3	26
17P026	Denovo Oil and Gas	165591	Nesser	049	08S	02E	T	N	C	15	15	3	26
17P027	Denovo Oil and Gas	174505	Nesser	049	08S	02E	T	N	C	18	30	4	26
17P028	Denovo Oil and Gas	180084	Nesser	049	08S	02E	T	N	C	20	20	4	26
† <sup>77</sup> 17P029	Denovo Oil and Gas	180886	Nesser	049	08S	02E	T	N	C	30	30	3	26
† <sup>77</sup> 17P030	Denovo Oil and Gas	180886	Nesser	049	08S	02E	P	N	C	20	30	3	26
17P013	The Stone Petroleum	080043	Sardine Pnt	045	08S	01E	B	N	E	95	60	9	26
17P014	The Stone Petroleum	080043	Sardine Pnt	045	08S	01E	B	N	E	95	75	9	26
† <sup>93</sup> 17P031	Denovo Oil and Gas	159437	Siegen	059	07S	01E	P	N	C	50	30	5	26
† <sup>82</sup> 17P032	Denovo Oil and Gas	187150	Siegen	059	07S	01E	T	N	C	24	24	3	26
† <sup>104</sup> 17P033	Denovo Oil and Gas	173175	Siegen	060	07S	01E	T	N	C	15	15	3	26
17P034	Denovo Oil and Gas	971098	Siegen	060	07S	01E	P	N	C	30	55	3	26
† <sup>108</sup> 17P035	Denovo Oil and Gas	179741	Siegen	054	08S	01E	T	N	E	25	25	6	26
† <sup>90</sup> 17P036	Denovo Oil and Gas	189006	Siegen	054	08S	01E	T	N	C	25	25	6	26
† <sup>88</sup> 17P037	Denovo Oil and Gas	175601	Siegen	055	08S	01E	T	N	C	15	20	3	26
17P039	Lakeshore Petroleum	188464	University	066	07S	01W	E	N	E	20	20	4	26
17P040	Lakeshore Petroleum	190915	University	066	07S	01W	E	N	E	20	20	4	10
† <sup>166</sup> 17P038	South Oak Prod.	196033	University	066	07S	01W	B	N	E	10	10	3	26
† <sup>115</sup> 17P048	Union Texas Petrole	028162	University	036	07S	01W	P	N	C	12	31	3	26
† <sup>178</sup> 17P049	Union Texas Petrole	037844	University	036	07S	01W	R	N	C	100	60	3	26
17P050	Union Texas Petrole	176748	University	036	07S	01W	B	N	E	17	17	3	11
17P051	Union Texas Petrole	176748	University	036	07S	01W	P	N	C	112	28	4	26
17P052	Union Texas Petrole	176748	University	036	07S	01W	O	N	E	12	20	1	11
17P053	Union Texas Petrole	176748	University	036	07S	01W	O	N	E	14	19	2	11
17P054	Union Texas Petrole	107742	University	065	07S	01W	R	N	C	48	30	6	26
17P055	Union Texas Petrole	028575	University	065	07S	01W	O	N	C	20	20	3	26
17P056	Union Texas Petrole	028575	University	065	07S	01W	P	N	E	49	108	3	26
17P057	Union Texas Petrole	028575	University	065	07S	01W	P	N	C	15	15	3	26

TABLE 17 (CONTINUED)  
LDNR PIT DATA

ID	NAME	SER NO	FIELD	SECT <sup>1</sup>	TWN <sup>2</sup>	RNG <sup>3</sup>	TYP <sup>4</sup>	LIN <sup>5</sup>	USE <sup>6</sup>	LEN <sup>7</sup>	WID <sup>8</sup>	DEP <sup>9</sup>	ST <sup>10</sup>
17P058	Union Texas Petrole	029182	University	065	07S	01W	P	N	C	50	50	3	26
17P059	Union Texas Petrole	175602	University	065	07S	01W	B	N	E	50	20	3	26
17P060	Union Texas Petrole	175602	University	065	07S	01W	P	N	E	12	15	3	11
17P061	Union Texas Petrole	175602	University	065	07S	01W	P	N	E	10	10	3	11
† <sup>173</sup> 17P062	Union Texas Petrole	202379	University	065	07S	01W	O	N	C	12	12	4	26
17P063	Union Texas Petrole	024827	University	068	07S	01W	P	N	E	NA			17
† <sup>112</sup> 17P064	Union Texas Petrole	024827	University	070	07S	01W	P	N	C	37	95	3	26
17P010	Brock Oil and Gas Co	036058	University	001	08S	01W	B	N	E	60	50	6	29
17P011	Brock Oil and Gas Co	158183	University	041	08S	01W	B	N	E	35	45	6	26
17P012	Brock Oil and Gas Co	162865	University	074	08S	01W	B	N	E	50	40	6	26
17P019	Brock Oil and Gas Co	158183	University	041	08S	01W	B	N	E	35	45	6	26

<sup>1</sup> Sec = Section

<sup>2</sup> Twp = Township

<sup>3</sup> Rng = Range

<sup>4</sup> Pit TYPE: P - produce water pit

T - test pit

W - wash out pit

N - natural gas processing  
plant pit

B - burn pit

C - compressor station pit

E - emergency

R - reserve

O - other

<sup>5</sup> LINER: N - natural clay

M - manufactured

C - combination

O - other

<sup>6</sup> USE: C - closed or to be closed

E - existing

N - new

<sup>7</sup> Len = Length dimension of pit

<sup>8</sup> Wid = Width dimension of pit

<sup>9</sup> Dep = Depth dimension of pit

<sup>10</sup> STATUS: 10 - existing with liner

11 - existing, exempt from liner requirement

14 - liner certification required

17 - not in compliance

26 - closed; field inspected; no closure date required

29 - closed; field inspected; closure date required and given

Thirteen LDNR Pits were within the 0.5 mile search area and therefore are daggered. Since the pits are identified by township range rather than latitudes and longitudes, there are many places where the LDNR well serial number associated with the pit was cross-referenced to see if that well was within the 0.5 mile search area. This is because part of a township range may have been located within the 0.5 mile search area, but another part may have been

outside of the search area. In these instances, the serial number associated with the LDNR well was used to determine if the pit was in the search area. The reasoning is that if the well associated with the pit is not within the search area, it is safe to assume that the pit is also not in the search area.

**5.2 Land Use History.** The land uses within the project area include residential, commercial, and industrial. In general, the areas of heavy industrial land use in and near Baton Rouge lie to the north of the City of Baton Rouge along Highway 61 (Scenic Highway), north of Choctaw Drive and west of I-110, near the Mississippi River. This industrialized area primarily drains into the Mississippi River and runoff does not enter into the drainage basins of the project. Land use along Beaver Bayou and Blackwater Bayous are mostly rural/residential with a small intermixing of commercial and light industrial. Bayou Fountain is on the outskirts of the urban area of Baton Rouge. Land use along Bayou Fountain is primarily residential with a small intermixing of commercial and light industrial. Jones and Wards Creeks flow from the highly urbanized areas of Baton Rouge to the outskirts east of the city. Land use for these two creeks are typical of a highly urbanized area including residential, commercial and some light industrial. Two airports, numerous golf courses and railways are also inside or near the project area.

**5.2.1 Aerial Photographs, Maps and Aerial Video.** Aerial photographs (1:24,000) dated 1989 were reviewed by New Orleans District personnel. The photographs verified areas of heavy industrial, light industrial, commercial and residential land use. Aerials at a 1:62,500 scale and a 1:24,000 scale USGS quadrangle maps were also reviewed. Again, these maps aided in the verification of land use within the project area. The scale of the available maps, however, prohibited definitive observation of specific HTRW details. A 90 minute aerial video of the project area was produced in February 1993 by New Orleans District personnel. A member of the Site Survey team narrated the video. The flyover was conducted from a helicopter and served both to document potential HTRW and verify land use. Bayou Fountain, Wards Creek, North Branch Wards Creek, Jones Creek and tributaries, Beaver Bayou and tributaries, and Blackwater Bayou and tributaries were included in the tape. Because of channel overgrowth and the limited scale of the video, details of potential HTRW were difficult to detect, however a few items observed during taping could signify HTRW problems. An oil storage area was identified along Wards Creek approximately one mile below Interstate 10 at a small road crossing. Numerous golf courses were noted during taping. Also, an intense, bright blue-green color to the water along Jones Creek downstream of the confluence with Weiner Creek was noted. This blue-green color appeared to be a localized phenomenon lasting approximately a half a mile to a mile. Local residents interviewed note the water in Weiner Creek near Cedarcrest Road being the same bright blue-green color on numerous occasions. This crossing is approximately two miles upstream of Weiner Creek's confluence with Jones Creek. NOD personnel contacted East Baton Rouge personnel to see if they knew why the water in Weiners Creek and Jones Creek was this color and learned that Celebration Station, a children's amusement park, located near the intersection of I-12 and Airline Hwy discharges their dyed water directly into Weiner Creek. The water is dyed for their bumper boats and putt-putt course. Parish personnel said they

were certain that this is why the water was a bluish-green color. The Parish had previously received complaints from nearby residents about the color.

5.2.2 Deed Search. Because of the size of the urban area involved, title/deed searches of the properties in the vicinities of the projects were not conducted.

5.2.3 Local Interviews. Limited interviews with local residents were conducted during the course of this investigation. Information obtained from the residents was incorporated into the report.

5.3 Visual Site Survey. The findings of the visual site surveys of each of the project watersheds follow. A map showing the location of each site visited by the Site Survey Team is provided as Plate 2.

5.3.1 Beaver Bayou and Tributaries. Beaver Bayou flows into the Comite River just northeast of Baton Rouge. Two main tributaries, Beaver Bayou Lateral and Beaver Bayou Tributary No. 2, flow into Beaver Bayou near Hooper Road. The main stem and tributaries are earthen. Proposed channel improvements consist of earthen improvements and concrete lining. Land use in the vicinity of Beaver Bayou and its tributaries is primarily rural/residential with minimal commercial and light industrial intermixed. Reconnaissance for potential impact of HTRW in or near the channel revealed the following:

†<sup>47</sup> Beaver Bayou at Greenwell Springs Road: The site is located in a primarily rural/residential area. There was an Above Ground Storage Tank (AST) located near a shed approximately 100 yards from the channel on the right bank on the north side of the bridge. (Site #1)

†<sup>48</sup> Beaver Bayou at Frenchtown Road: The site is located in a primarily rural/residential area with some light industry. The companies, Environmental Services, Inc. and CM Penn and Sons, are located in the vicinity of the channel. Behind the office buildings, numerous sludge containers, a caustic tank, and heavy equipment were noted. (Site #2)

Beaver Bayou near Biltmore Drive: The site is located in a primarily residential area. There is a sewage treatment plant under construction at terminus of Biltmore Drive. (Site #4)

Beaver Bayou at Wax Road: The site location is primarily residential and is near a pumping station. A crushed, rusted, 55 gallon drum was located in the channel. (Site #5)

Beaver Bayou at Hooper Road: The site is located in a primarily rural/residential area. High-Ten, a septic tank service, sandblasting, painting, and welding business is located in the vicinity of the channel. There were septic tanks, a sandblasting unit and tanker located on site. (Site #6)



Beaver Bayou Lateral Tributary at Devall Road: The site is located in a primarily rural/residential area. An aluminum products company and a dairy are located in the vicinity of the channel. (Site #7)

Beaver Bayou at Denham Road: The site is located in a primarily rural/residential area. There was no evidence of potential HTRW noted at this site. (Site #8)

**5.3.2 Blackwater Bayou and Tributaries.** Blackwater Bayou flows into the Comite River north of Baton Rouge. Two main tributaries, Tributary No. 1 and Tributary No. 2 flow into Blackwater Bayou. The main stem and tributaries are earthen. Proposed channel improvements consist of earthen improvement. Land use in the vicinity of Blackwater Bayou and its tributaries is primarily rural/residential with some commercial and industrial intermixed. Reconnaissance for potential impact of HTRW in or near the channel revealed the following:

McCullough Road between Blackwater Bayou Tributary No.1 and Tributary No.2: The site is located in a primarily rural/residential area. Rusted tanks were noted on south side of roadway. (Site #9)

Blackwater Bayou at Blackwater Road, Northern Crossing: The site is located in a primarily rural/residential area. There was no evidence of potential HTRW noted at this site. (Site #10)

Blackwater Bayou at Blackwater Road, Southern Crossing: The site is located in a primarily rural/residential area. A company titled Custom Metal Works was located near crossing. (Site #11)

Blackwater Bayou along Shady Bluff: The site is located in a primarily rural/residential area. A pumping station was located in the vicinity of the channel. (Site #12)

Blackwater Bayou at Hooper Road: The site is located in a primarily rural/residential area. There was no evidence of potential HTRW noted at this location. (Site #13)

**5.3.3 Jones Creek and Tributaries.** Jones Creek flows into the Amite River east of Baton Rouge. Three main tributaries and one sub-tributary, Weiner Creek, Jones Creek Tributary, Lively Bayou and Lively Bayou Tributary branch from the main stem. The channels primarily drain the area to the south of Choctaw Drive and east of Highway 61. The main stem and tributaries are earthen. Proposed channel improvements consist of clearing and snagging and concrete lined improvements. Land use in the vicinity of Jones Creek and its tributaries is primarily residential with commercial and industrial intermixed. Reconnaissance for potential impact of HTRW in or near the channel revealed the following:

†<sup>51</sup> Baton Rouge Engineering Depot on North Sherwood Forest: A sign on administrative building read "Defense Logistics Agency. Defense National Stockpile Zone." The facility

may possibly have USTs located on site. The Louisiana State Police indicated that stockpiles of metal and mounds of red soil-like material present at the site were aluminum and bauxite. These stockpiles may indicate an old aluminum processing plant. The warehouse bears a sign reading "SECTIONS PREVIOUSLY CONTAINED ASBESTOS. DECONTAMINATED -SAMPLE ANALYSIS INDICATES CONCENTRATIONS BELOW LEVELS HAZARDOUS TO HEALTH." (Site #3)

†<sup>52</sup> Jones Creek at Airway: The site is located in a commercial and industrial area. An automotive graveyard is located near channel. An oil sheen appearing to generate near a rusted 55 gallon drum lid was noted approximately 75 feet upstream from the bridge. The oil sheen was noted both upstream and downstream of the bridge crossing. A very faint oil odor was present. The nearby businesses are primarily automotive service industries. An AST was located between Parts Plus and the Acasia Shrine Temple. (Site #14)

Jones Creek at Monterrey Boulevard: The site is located in a primarily residential area. A sheen was detected on the surface water upstream of the bridge. (Site #15)

Jones Creek at Cuyhanga Parkway: The site is located in a primarily residential area. A rusted, empty 55 gallon drum was observed, partially buried in the channel. (Site #16)

Jones Creek Tributary at Presido: The site is located in a primarily residential area. Rusted, empty 55 gallon drums were located near the channel. (Site #17)

†<sup>53</sup> Jones Creek between Sharp Road and Florida Boulevard: The site is located in a primarily commercial area. A dry cleaning facility was observed near the channel just upstream of the Sharp Road crossing. Drums which were noted on site appeared to rest on a contained concrete pad. The facility pump and UST vents were located downstream from the Sharp Road crossing behind a shopping center. There were no monitoring wells present at the site. Also noted was a rusted- out 55 gallon drum located in the channel near the pump. (Site #18)

Jones Creek at Florida Boulevard: The location of the site is in a primarily commercial area. An odor of sewer and a sheen on the surface water was noted near the 54" CMP under Florida Boulevard. An oil stain was observed behind a McDonald's at the storm drainage outfall. (Site #19)

Lively Bayou at Florida Boulevard: The location of the site is in a primarily commercial area. There was no evidence of potential HTRW noted at the site. (Site #20)

Weiner Creek at Sherwood Forest Boulevard: The site is located in a primarily residential area with some commercial land use. A veterinary hospital was located on the bank. (Site #21)



Jones Creek between Harrels Ferry Road South and I-12: The site is located in a primarily rural/residential area. Foam was observed on the water surface in various stream locations. Also, a faint odor similar to skunk was noted. (Site #22)

Jones Creek at Jones Creek Road: The location of the site is primarily rural/residential with some commercial. Foam was detected on the water surface at this stream crossing. A Speedy Oil Change facility was located approximately 700 feet from channel. A worker at this facility was observed hosing down the work area with runoff exiting building down the driveway. (Site #23)

Jones Creek at Woodland Ridge Boulevard: The location of the site is in a primarily residential and commercial area. Foam was detected on the water surface. (Site #24)

Weiner Creek at Lake LaDare: This area is primarily residential. A portion of the tributary was dammed to form a lake. A car battery was observed in the channel downstream of this concrete dam. (Site #25)

†<sup>54</sup> Jones Creek at Old Hammond Highway: This area is primarily commercial. An automotive graveyard and Brown's Body Shop were noted downstream from the channel crossing. A prominent odor of paint was present when team members walked within the banks of the channel. Paint cans, consumer size oil cans, mufflers, 5 gallon buckets, gasoline containers, and old tires were observed behind a mini storage business in vicinity of the channel. (Site #26)

Lively Bayou at Flannery Road: This site is primarily residential and commercial. An Exxon station and a Circle K station was located near the channel. An odor of sewer was present (possibly from the dead animal under the bridge crossing). A sheen on the water was noted upstream of the bridge. (Site #27)

Lively Bayou Tributary at Goodwood Boulevard: The location is primarily residential. Pool supplies were noted near the channel as were numerous one-gallon plastic containers labeled "Rotella T", a Shell product. These supplies were located behind a house which was approximately 100 feet from the channel. (Site #28)

†<sup>55</sup> Jones Creek at Sherwood Forest Boulevard: This location is primarily residential. A sewer station was located near channel. Although the sewer station was believed to be nonoperational, a noticeable odor was present. The sewage overflow with check valve was installed since last year. A golf course was located adjacent to the channel. A gasoline pump with UST vents was located on golf course property. A storage shed containing pressure cylinders was observed near the top of bank. A cloudy, slick discharge was noted from the drainage culvert near the bridge. A rusted 55 gallon drum was located in the channel. Foam was also detected on water surface. An oil sheen on the water surface downstream of bridge was observed. Rusted barrels on bank of channel behind golf course

maintenance shed were noted. An abandoned appliance with air compressor was located near channel. (Site #29)

Jones Creek at Goodwood Boulevard: The location is primarily residential. A sheen and was observed on the water surface at this site. Tar was noted on antpiles in the vicinity. The Sherwood Forest Fire Station was located near the channel bank. (Site #30)

Jones Creek at Sharp Road Park: The location of this site is in a primarily residential area. A black stain was observed on the soil at the outfall of a 4" PVC pipe draining to a ditch which drains to Jones Creek. The water color changes from clear to a white, cloudy color in this area. A sheen was observed on the water in the ditch. An odor of sewage was noted at the confluence of the ditch and Jones Creek. (Site #31)

Jones Creek at Mollylea Drive: The site is located in a primarily commercial area. An Exxon station and a McDonald's were observed and were located adjacent to the channel. (Site #32)

5.3.4 Bayou Fountain. Bayou Fountain flows into Bayou Manchac and runs along the southern side of Highland Road upstream to near the Mississippi River and the Louisiana State University Campus. The main stem is earthen. Proposed channel improvements consist of clearing and earthen channel improvements, and a concrete "U-channel" at a major sewer line crossing. Land use in the vicinity of Bayou Fountain is rural/residential, commercial, and light industrial. Reconnaissance for potential impact of HTRW in or near channel revealed the following:

Bayou Fountain at Ben Hur Road: The site is primarily rural/residential. There was no evidence of potential HTRW noted at the site. (Site #59)

†<sup>56</sup> Bayou Fountain along Burbank Drive: The area surrounding this stream crossing was sparsely populated. The land use was primarily residential with some commercial and light industrial intermixed. An abandoned Circle K station was noted on the south side of Burbank Drive. (Site #63)

Bayou Fountain at Gardere Lane: The site was located in a primarily residential area. The Earthworks Landscaping Company was located near the channel. (Site #60)

†<sup>57</sup> Bayou Fountain at Siegen Lane: The surrounding area at this site is primarily rural. There was an inactive construction site near the stream crossing. Various debris including a 55 gallon drum marked "Valvoline," several 5 gallon buckets marked "corrosive," and an AST were observed. (Site #61)

5.3.5 Wards Creek and Tributaries. Wards Creek runs from Bayou Manchac east of Baton Rouge upstream to Choctaw Drive near Interstate 10. Two main tributaries, Dawson Creek and North Branch Wards Creek branch off of the main stem. The channels drain most of the

area south of Choctaw and west of Highway 67. Currently the main stem and tributaries are earthen channel in the lower reaches and concrete lined in parts of the upper reaches. Proposed channel improvements consist of clearing and snagging and concrete lining. Land use in the vicinity of Wards Creek and tributaries is primarily commercial with some industrial and residential. Reconnaissance for potential impact of HTRW in or near the channel revealed the following:

North Branch Wards Creek at Florida Boulevard: The site is located in a primarily commercial area. Barrels which appeared to be used for residential storage were noted near the channel. (Site #33)

Wards Creek at Florida Boulevard: The site is located in a primarily commercial area. An Auto Zone business was noted. The business was located near the channel. (Site #34)

Wards Creek at Government: The area surrounding this site is primarily commercial. A Gulf States Utilities power center was noted near the channel. (Site #35)

Wards Creek at Sandalwood Drive: The area is primarily residential and commercial. A sheen was detected on the water surface. (Site #36)

Dawson Creek along Concord Avenue: The site is located in a primarily commercial area. A Dutch Cleaners facility and a self storage facility was observed near the channel. (Site #37)

Dawson Creek at Perkins Road: The area surrounding the stream crossing is primarily commercial. A sewer line was noted which ran parallel to a slope failure. The sewer line was approximately 20 feet from the failure. Waste oil was noted near the bank behind Ruby's Cafeteria which is across the channel. (Site #38)

Wards Creek at Siegen Lane: The site is located in a primarily commercial area. There was no evidence of potential HTRW noted at the site. (Site #39)

Wards Creek at Pecue Lane: The area surrounding the site is primarily rural. The Total Wood Recycling Services facility is located near the channel. One approximately 100 gallon AST with no containment and one approximately 400 gallon AST with 1 foot soil berm was located on the premises. (Site #40)

Wards Creek at Barringer Foreman Road: The area is primarily commercial/industrial. An inactive contractor's site was noted with backhoes, a lagoon, 5 ASTs, a 55 gallon drum, and several 5 gallon buckets marked as containing hydraulic fluid on-site. Impulse Merchandisers, Fred Matthews General Contractors, Turf Scape, Inc., and Kleinpeter Farms Dairy facilities are located in the vicinity. (Site #41)

†<sup>60</sup> Old Channel Wards Creek at Highland Road: The area is primarily rural in the vicinity of the site. A diesel tank was observed on the ground near the channel. An old transformer was found on the ground near the tributary (old channel) on the north side of Highland Road. (Site #42)

Wards Creek at I-10: The area is primarily commercial. There was no evidence of potential HTRW noted at the site. (Site #43)

Wards Creek at Bluebonnet Road: The area in the vicinity of the site is primarily commercial. An Exxon station was located adjacent to the channel. USTs are located approximately 20 feet from top of bank. A propane tank was noted in the debris in the channel. (Site #44)

Dawson Creek at Bluebonnet Road: Land use in the area is primarily commercial. A power station with condensers is located near the channel. A fuel facility with butane cylinders, and two ASTs with concrete containment were noted near the channel on the Associated Grocers facility site. (Site #45)

Dawson Creek at Perkins Road: Land use in the area is primarily commercial. Imahara's Landscape Louisiana Nursery facility was noted near the channel. (Site #46)

Wards Creek at Essen Lane: The area is primarily commercial. A sewer station and an †<sup>23</sup> Exxon station are located near the channel. (Site #47)

North Branch Wards Creek at Essen Heights Court: The area surrounding the site is primarily residential and commercial. The Rehabilitation Hospital of Baton Rouge is located near the channel. Signs reading "Infectious Waste," "Flammable Material," were noted on temporary type storage buildings located on the top of bank. (Site #48)

†<sup>61</sup> North Branch Wards Creek along Drusilla Lane: The area surrounding the site is primarily commercial. A sheen and foam were detected on the water surface. Drusilla's Seafood is located near the channel. Butane cylinders were observed on the stream bank near the Drusilla's Seafood facility. A white, foamy discharge was noted from 2 box culverts across the channel. A golf course is located upstream of this outfall. (Site #49)

†<sup>62</sup> North Branch Wards Creek at Jefferson Highway: A building which houses Fashion Cleaners, Eastern Laundry, and a body shop is located approximately 20 feet from top of bank. An old pump island and possible UST vents are located on the premises. A crack approximately 2-3 inches wide was noted in the slab. Mud was washed out from underneath the slab on drive alongside the channel where the UST is located. Oil filters, related oil debris, auto parts, and sanding compound was located behind the body shop. Washwater from business was discharging directly into the channel (soap, foam, and lint was noted in this discharge). A Texaco service station was located on the other side of channel. (Site #49)

North Branch Wards Creek at Interstate 12: There was no evidence of potential HTRW noted at this site. (Site #49)

North Branch Wards Creek at Old Hammond Highway: This area is primarily commercial. A sheen was detected on the water surface both upstream and downstream of the bridge crossing. A GSU natural gas station and GSU Power Center were located near the channel. A natural gasoline odor was present. A black stain was observed near a CMP under the bridge. (Site #50)

North Branch Wards Creek along Crescent Street and at Goodwood Street: Land use in the area is primarily residential and commercial. Women's Hospital is located adjacent to the channel. An incinerator is located on the premises with a PVC outfall discharging into the channel. A black stain was noted at this outfall. Paint cans were observed behind the hospital. A power station with condensers and various machine parts was located near the channel. A temporary storage building of unknown contents was observed dangerously near an area of slope failure at the top of bank behind the hospital. Coleman car dealerships and a Circle K gas station were also located near the channel. (Site #51)

Wards Creek at I-10: The surrounding area is primarily commercial. There was no evidence of potential HTRW noted at this site. (Site #52)

Dawson Creek at Perkins Road and College: The land use in the area is primarily commercial. Two 55 gallon drums were noted behind a storage center on College Drive. An AST was located between Metal Technologies and Bayou Builders in the back of the storage buildings. (Site #53)

Dawson Creek at South Acadian Thruway: The area is primarily commercial. There was no evidence of potential HTRW noted at this site. (Site #54)

Dawson Creek at Hundred Oaks Avenue: The area is primarily residential. There was no evidence of potential HTRW noted at the site. (Site #55)

Dawson Creek at Perkins Road near Pollard Parkway: The land use in the area is primarily commercial/industrial. Welding facilities, a maintenance building, and ASTs were noted near the channel. (Site #56)

Dawson Creek at Quail Drive: Area is primarily commercial. Ten 55 gallon drums were observed along Quail Drive near area of new construction. Pennington Biomedical Research Center is located near the channel on Perkins Road near Quail Drive. (Site # 57)

Dawson Creek at Kenilworth: This area is primarily residential. There was no evidence of potential HTRW noted at this site. (Site #58)



†<sup>46</sup> Drainage ditch flowing into Dawson Creek near Valley Park School: A large school appearing to be twenty to thirty years old is located alongside a drainage canal flowing into Dawson Creek. Large areas of subsidence was noted in the parking lot and walkway along the school building (about 8-10" deep). Undulating depressions in parking lot with roughly parallel peaks about 30 feet apart were noted. (Site #62)

## 6.0 CONCLUSIONS AND RECOMMENDATIONS

Through the three day visual site survey, the record review at various agencies and discussions with knowledgeable personnel, significant sites of concern were identified as potential sources of HTRW contamination. These sites were marked with a dagger in their respective sections of analysis. The daggered sites are not intended to eliminate the possibility of contamination by other sites, rather, it is intended to be used as a tool in identifying the most probable areas and sources of contamination.

A total of 303 daggered sites, representing 194 sites of concern are included in this document. Table 18 below shows the agency, listing, or means of discovery for each daggered site in this document. One column shows the number of files, facilities, or sites originally identified by agency review or site visit. Once these originally identified sites were deemed to have HTRW potential they are shown in the column labelled "Sites of Concern". These sites, in most cases, contribute to sites for sampling and analysis. Since there is overlap from various agencies for certain sites, the total number of sites in the table varies from the total number of individual sites of concern.

TABLE 18  
NUMBER OF SIGNIFICANT FINDINGS BY AGENCY LISTING

Agency/Listing or Means of Discovery	# Originally Identified	# of Sites of Concern	Minimum Search Distance	Report Section/ Page number
CERCLIS/LARIS	34	15	within Parish drainage divide	5.1.1.1/p11,25
LDEQ RCRIS list	415	8	1 mile	5.1.2.3/p88
LDEQ UST list	194	22	1 mile	5.1.2.3/p111
LDEQ Ground Water	15	6	within Parish drainage divide	5.1.2.4/p134
Visual Site Survey	63	12	within 200 feet of channel	5.3/p226
LDEQ Solid Waste	48	1	within Parish drainage divide	5.1.2.3/p27
LDEQ Emergency Response	1,313	31	0.5 mile	5.1.2.3/p30
LDEQ Citizen Complaints	592	27	0.5 mile	5.1.2.3/p59
LDEQ CDS Database	234	7	0.5 mile	5.1.2.3/p145
LDEQ TEDI Database	16	2	0.5 mile	5.1.2.5/p148
LDEQ NORM Database	31	12	0.5 mile	5.1.2.5/p154
State Police Haz-Mat	153	2	0.5 mile	5.1.4/p158



TABLE 18  
NUMBER OF SIGNIFICANT FINDINGS BY AGENCY LISTING

Agency/Listing or Means of Discovery	# Originally Identified	# of Sites of Concern	Minimum Search Distance	Report Section/ Page number
Baton Rouge Fire Dept	1,862	15	0.5 mile	5.1.5/p163
LDNR Petroleum Wells	364	130	0.5 mile	5.1.6/p214
LDNR Pits	43	13	0.5 mile	5.1.6/p223
<b>TOTAL</b>	<b>5,377</b>	<b>303</b>		

### 6.1 Sites of Concern

Included in Table 19 below are the sites of significant concern, arranged alphabetically, followed by a discussion of the relative sensitivity of each site, arranged numerically by watershed. In general, sites ranked as a "low" level of concern are those where a contamination release has occurred or may have occurred and which do not necessarily lead to sampling and testing. Sites ranked as a "medium" level of concern are those which may lead to sampling and testing, but it is determined that contamination within the project boundaries due to the site is less likely than those sites ranked as "high." Sites ranked as a "high" level of concern are those which would lead to sampling, and it is determined that contamination within the project boundaries due to the site is more likely than those sites ranked as "medium" or "low." The level of concern is a judgement based on the distance of the site from the project; the contamination pathway, including groundwater flow, surface water flow, and soil permeability; the type of contaminants involved and their characteristics of migration and persistence in the environment; the amount of the contaminants involved; the toxicity of the contaminants involved; and whether or not remediation or confinement action has taken place at the source. The sites marked with a diamond (◆) in this section are sites which could seriously impact the project should contamination be found within the project limits due to the site. These sites are discussed qualitatively in Section 6.3, Sensitivity Analysis.

Wells and pits are not discussed individually in this section. They can be categorically assigned a "high" level of concern based on the potential for NORM, petroleum hydrocarbon, and metals contamination any time substances from deep within the earth are brought to the surface. Any NORM contamination found within project reaches could seriously impact project cost to benefit ratios. All of the sites of concern and wells are shown on Plate 3.

TABLE 19  
SITES OF CONCERN

NO	SITE	LOCATION	LAT	LONG	BASIN	CONTAM PATHWAY	CONCERN	LEVEL OF CONCERN
◆D9	Allied Signal	SEE PAXON POLYMER						
◆D2	American Hoechst Corporation	SEE DELTECH CORPORATION						
1	BRFD # 7060 (no name) 07/29/85	South Choctaw & Flannery			Lively Bayou	groundwater, surface water	20 gallons diesel spilled	Low
2	BRFD # 709875&709883 (no name) 10/08/87	4600 Essen Lane			Wards Creek	groundwater, surface water	Gasoline in sewer	Med
3	BRFD # 904801 (no name) 05/03/89	12400 Florida Blvd	30 27 38	91 2 40	Lively Bayou	groundwater, surface water	Assorted Chemicals	Med
4	BRFD # 908382 (no name) 07/27/89	N Flannery and S Choctaw			Lively Bayou	groundwater, surface water	Diesel spill	Low
5	Ballard Motorworks	7000 blk Airline Hwy			Jones Creek	groundwater, surface water	Oil on ground, 55 gal drums of oil, leaking drums	Low
◆6	Baton Rouge Fairgrounds	16000 Airline Hwy 17732 Airline Hwy	30 20 46	90 59 48	Wards Creek	groundwater, surface water	17.5 acre landfill - commercial industrial, and residential waste	High
◆D1	Bayou Baton Rouge				Parish Landfill Disposal Area	surface water	PCB, HCB, and HCBd contamination	High
7	Bill Moores Exxon 5-3564	9936 Airline Hwy	30 25 41	91 4 42	NBWC	groundwater, surface water	Ruptured UST when excavating, soil and groundwater contamination	Low

TABLE 19 (CONTINUED)  
SITES OF CONCERN

NO	SITE	LOCATION	LAT	LONG	BASIN	CONTAM PATHWAY	CONCERN	LEVEL OF CONCERN
8	Broadmoor Exxon 5-5737	9988 Florida Blvd & Sharp			Jones Creek	groundwater, surface water	Tight test failure, soil and ground water contamination, natural gas leak	Med
9	Number not used							
10	C.R. Kirby Contractors	across street from 7350 Tom Dr	30 27 43	91 6 48	Jones Creek	groundwater, surface water	Dumping tank of diesel in storm drain	Med
◆ 11	CM Penn and Sons Inc	14461 Frenchtown Rd	30 30 17	91 1 37	Beaver Bayou	groundwater, surface water	Burying material, washing trucks, incorrect drum storage, drums in channel	High
12	Central Exxon Service Cen 52176	11575 Sullivan Rd at Hooper			Beaver Bayou	groundwater, surface water	Product in monitoring wells	Low
13	Number not used							
14	Chevron #159686	14343 Greenwell Springs Rd	30 30 48	91 1 45	Beaver Bayou	groundwater, surface water	Product in monitoring wells	Med
15	Chevron Station #10660242 (160242)	1155 Flannery Rd	30 26 54	91 2 6	Lively Bayou	groundwater, surface water	BTEX contamination of soil and ground-water	Med
16	Chevron Station	7931 One Calais at Essen	30 24 24	91 6 7	Wards Creek	groundwater, surface water	Gasoline leaching out of ground & into stormwater drainage system flush w/ water	High

TABLE 19 (CONTINUED)  
SITES OF CONCERN

NO	SITE	LOCATION	LAT	LONG	BASIN	CONTAM PATHWAY	CONCERN	LEVEL OF CONCERN
17	Circle K #4737	12891 Coursey Blvd & Stumberg	30 24 37	91 2 10	Jones Creek	groundwater, surface water	Gasoline smell in ditch, monitoring	Med
18	Number not used							
19	Number not used							
◆20	Daniell Battery	11150 S Choctaw			Lively Bayou Trib	groundwater, surface water	RCRA Compliance Order issued Discharging lead on ground	High
◆D2	Deltech Corporation (American Hoechst Corporation)	11911 Scenic Highway	30 33 15	91 11 56	Parish Landfill Disposal Area	groundwater, surface water	BTEX, 1,1- dichlorethane, styrene, diethylbenzene, methylene chloride, trichlorofluoro-methane, divinylbenzene	High
◆D3	Devil's Swamp				Parish Landfill Disposal Area	surface water	HCB, HCBd, PCB, pesticides, chlorinated hydrocarbons, PAH	High
◆D4	Devil's Swamp - Ewell Property	Setion 44 and 45, T5S R1W			Parish Landfill Disposal Area	surface water	HCB, HCBd, PCB	High
◆D5	Devil's Swamp Lake				Parish Landfill Disposal Area	surface water	organic compounds, PCBs, PAHs, HCB, HCBd	High

TABLE 19 (CONTINUED)  
SITES OF CONCERN

NO	SITE	LOCATION	LAT	LONG	BASIN	CONTAM PATHWAY	CONCERN	LEVEL OF CONCERN
◆D6	Devil's Swamp Landfill	Thomas Road			Parish Landfill Disposal Area	groundwater	organics, PVC powders, lead, barium sulfate, car-bon black, hydrogen sulfate, acids, metals, asbestos, contamina-ted soil from furnace ash, aluminum epoxy	High
21	Drusilla One Hour Martinizing	3406 Drusilla Lane	30 25 13	91 5 23	NBWC	groundwater, surface water	Haz Material Spill in sumps, NOV	Med
22	Exxon Company USA #51751	13315 Old Hammond Hwy	30 26 46	91 2 4	Lively Bayou	groundwater, surface water	Gasoline contaminated water in monitoring well	High
◆D7	Exxon - Maryland Tank Farm	LA 19			Parish Landfill Disposal Area	groundwater,su rface water	Separater sludge, leaded tank bottoms, gasoline, toluene, crude oil	High
◆D8	Exxon Resin Finishing	12480 Scenic Highway			Parish Landfill Disposal Area	groundwater, surface water	BTEX, naphthalene, cumene, isoprene, styrene, DMF, and other VOCs	High
23	Exxon Service Station #50608	4555 Essen Lane	30 24 24	91 6 8	Wards Creek	groundwater, surface water	Gasoline odors in sanitary sewer	Med
24	Number not used							
25	Exxon Station 58050	8885 Highland and Staring			Bayou Fountain	groundwater, surface water	Product on top of water table	Med

TABLE 19 (CONTINUED)  
SITES OF CONCERN

NO	SITE	LOCATION	LAT	LONG	BASIN	CONTAM PATHWAY	CONCERN	LEVEL OF CONCERN
26	Exxon Store #5-0550	7725 Airline Hwy			Jones Creek	groundwater, surface water	Product in monitoring well	Med
27	Gulf Oil Corp (Chevron 109045)	7808 Bluebonnet	30 22 46	91 5 55	Dawson Creek	groundwater, surface water	Soil and groundwater contamination	Med
28	Gulf Oil Corp (Chevron 109050)	10097 Florida and Sharp	30 27 27	91 4 21	Jones Creek	groundwater, surface water	Soil and groundwater contamination	High
29	Gulf Oil Corp (Chevron 109051)	7510 Florida and Lobdell			Jones Creek	groundwater, surface water	Soil and groundwater contamination	Low
30	Highway Pipeline Trucking	Hooper and Shady Bluff			Blackwater Bayou	groundwater, surface water	80 gal diesel, some in Blackwater Bayou	Med
31	Hydro-Kem Services Inc	18818 Highland Rd	30 21 10	91 1 16	Wards Creek	groundwater, surface water	Failure to clean haz waste spill	Low
32	Ill Central vs Ashland Transp	S Choctaw & W Dual			Jones Creek Trib	groundwater, surface water	Spill tri-ethylene glycol (2000 gals)	Low
◆ 33	Keans Cleaners	218 Staring Lane	30 22 14	91 7 19	Bayou Fountain	groundwater, surface water	Dumping perc into ditch, NOV	Med
34	Kemron Enyironmental Services	16550 Highland Rd	30 20 50	91 2 41	Bayou Fountain	groundwater, surface water	Environ Lab, dead domestic animals	Med
35	LA DOTD Dist 61 HQ	8100 Airline Hwy	30 27 52	91 6 33	Jones Creek	groundwater, surface water	Failure to clean haz waste spill	Med
36	Monterray Exxon #50628	9196 Choctaw Dr			Jones Creek	groundwater, surface water	Tank Removal, soil and groundwater contamination	Low



TABLE 19 (CONTINUED)  
SITES OF CONCERN

NO	SITE	LOCATION	LAT	LONG	BASIN	CONTAM PATHWAY	CONCERN	LEVEL OF CONCERN
◆ D9	Paxon Polymer (Allied Signal)	12875 Scenic Highway	30 33 46	91 12 16	Parish Landfill Disposal Area	groundwater, surface water	Volatiles, chrome, high density polyethylene	High
◆ D10	Petro Processors	Brooklawn Drive	30 35 01	91 14 35	Parish Landfill Disposal Area	groundwater, surface water	NPL Site: volatile aromatic hydrocarbons, volatile chlorinated hydrocarbons, polyaromatic hydrocarbons, thir-teen priority pollut-ants found in soil, groundwater, sedi-ment, surface water, and fish tissue	High
37	Number not used							
38	P.I.E. Transportation CO	I-10 at Bluebonnet			Wards Creek	groundwater, surface water	Sodium Bisulfate 200-350 gallons	Med
◆ 39	Prince Rubber and Plastics	10296 S Choctaw	30 28 18	91 4 11	Jones Creek Trib	groundwater, surface water	Dumping methyl ethyl ketone	High
40	Racetrac Service Station #373	6240 Bluebonnet	30 23 36	91 5 24	Wards Creek	groundwater, surface water	Leaking UST, soil and groundwater contamination	Low
D11	Reynolds Metals	West Brooklawn Drive	30 34 56	91 14 24	Parish Landfill Disposal Area	groundwater, surface water	Air contaminants, black dust	Med

TABLE 19 (CONTINUED)  
SITES OF CONCERN

NO	SITE	LOCATION	LAT	LONG	BASIN	CONTAM PATHWAY	CONCERN	LEVEL OF CONCERN
◆ D12	Rollins Environmental Services	13351 Scenic Highway	30 34 03	91 12 27	Parish Landfill Disposal Area	groundwater, surface water	PCBs, hazardous waste landfill leachate, titanium tetrachloride, thermoxidation sludge	High
◆ D6	Sanfil Reclamation	SEE BATON ROUGE FAIRGROUNDS						
◆ D13	Schuykill Metals	Brooklawn Drive	30 35 01	91 14 35	Parish Landfill Disposal Area	groundwater, surface water	Lead, cadmium, barium, arsenic, nickel, zinc, chromium, battery acid, improper storage of drums	High
41	Number not used							
42	Speedway Unit #9059	10174 Airline Hwy	30 25 7	91 4 19	NBWC	groundwater, surface water	Hole in UST, soil and groundwater contamination	Low
43	Number not used							
44	Star Enterprises (Texaco)	1831 Staring Lane	30 23 31	91 6 40	Dawson Creek	groundwater, surface water	Soil and groundwater contamination	Low
45	Texaco	2205 Sherwood Forest	30 25 57	91 3 28	Jones Creek	groundwater, surface water	Product in ditch (leaching from soil), soil and groundwater contamination	Low

TABLE 19 (CONTINUED)  
SITES OF CONCERN

NO	SITE	LOCATION	LAT	LONG	BASIN	CONTAM PATHWAY	CONCERN	LEVEL OF CONCERN
◆D14	Union Tank Car Company	Brooklawn Drive			Parish Landfill Disposal Area	groundwater, surface water	Organic sludge, alcohols, methanols, acids, caustics, phenols, methyl mercapton, poor treatment system, poor drum storage	High
◆D27	US Steel Corporation, USS Chemicals	12537 Scenic Hwy			Parish Landfill Disposal Area	groundwater, surface water	ethylbenzene, toluene, xylene, solvents, polymers, and plant trash	High
◆46	Valley Park School	4510 Bawell St	30 25 37	91 8 36	Dawson Creek	groundwater, surface water	Former Hazardous Waste Landfill acetone, PCBs, pesticides, metals	High
47	Visual Site Survey - Site #1	Beaver Bayou at Greenwell Springs			Beaver Bayou	groundwater, surface water	AST	Low
48	Visual Site Survey - Site #2	Beaver Bayou at Frenchtown Road			Beaver Bayou	groundwater, surface water	Industrial Activities, C.M. Penn	Med
49	Number not used							
50	Number not used							

TABLE 19 (CONTINUED)  
SITES OF CONCERN

NO	SITE	LOCATION	LAT	LONG	BASIN	CONTAM PATHWAY	CONCERN	LEVEL OF CONCERN
51	Visual Site Survey - Site #3 Baton Rouge Engineering Depot	Sherwood Forest			Lively Bayou Trib, Jones Creek Trib	groundwater, surface water	Bauxite mounds, metal stockpiles, possible USTs	Med
52	Visual Site Survey - Site #14	Jones Creek at Airway			Jones Creek	groundwater, surface water	Oil sheen in channel, petroleum odor	Med
53	Visual Site Survey - Site #18	Jones Creek between Sharp and Florida			Jones Creek	groundwater, surface water	Old, unmonitored UST adjacent to channel	Med
54	Visual Site Survey - Site #26	Jones Creek at Old Hammond Hwy			Jones Creek	groundwater, surface water	Industrialized area, prominent petroleum odor	Med
55	Visual Site Survey - Site #29	Jones Creek at Sherwood Forest			Jones Creek	groundwater, surface water	Golf course, UST	Med
56	Visual Site Survey - Site #63	Bayou Fountain along Burbank			Bayou Fountain	groundwater, surface water	Abandoned Circl Ks	Low
57	Visual Site Survey - Site #61	Bayou Fountain at Siegen			Bayou Fountain	groundwater, surface water	Petroleum based products	Low
58	Number not used							
59	Number not used							
60	Visual Site Survey - Site #42	Old Wards Creek at Highland			Wards Creek	groundwater, surface water	Transformer, diesel tank	Low
61	Visual Site Survey - Site #49	NBWC along Drusilla			NBWC	groundwater, surface water	Golf course, butane cylinders, foamy discharge	Med

TABLE 19 (CONTINUED)  
SITES OF CONCERN

NO	SITE	LOCATION	LAT	LONG	BASIN	CONTAM PATHWAY	CONCERN	LEVEL OF CONCERN
62	Visual Site Survey - Site #49	NBWC at Jefferson			NBWC	groundwater, surface water	Petroleum product debris going into channel, laundry and/or dry cleaners discharging into channel	Med
◆ 63	053976 - Baton Rouge Unit J - Inactive Operator		(see Table 16)		Dawson Creek	surface water surface soils	Dry and Plugged	High
◆ 64	165378 - Gottlieb Et Al - Brock Exploration Corpor		(see Table 16)		Dawson Creek	surface water surface soils	Dry and Plugged	High
◆ 65	069501 - Baton Rouge M2 Unit 3 - Arco O&G Co-Div Atl Rich Co		(see Table 16)		Wards Creek	surface water surface soils	Dry and Plugged	High
◆ 66	051465 - 8750 Sua;Oby - Inactive Operator		(see Table 16)		Wards Creek	surface water surface soils	Plugged and Abandoned	High
◆ 67	052328 - BR M1 Sua;Gladden - Inactive Operator		(see Table 16)		Dawson Creek	surface water surface soils	Plugged and Abandoned	High
◆ 68	052486 - M2 Sub;Short - Inactive Operator		(see Table 16)		Dawson Creek	surface water surface soils	Plugged and Abandoned	High
◆ 69	056160 - BR M2 Sua;Morgan - Inactive Operator		(see Table 16)		Dawson Creek	surface water surface soils	Plugged and Abandoned	High
◆ 70	051974 - L S U - Arco O&G Co-Div Atl Rich Co		(see Table 16)		Dawson Creek	surface water surface soils	Dry and Plugged	High

TABLE 19 (CONTINUED)  
SITES OF CONCERN

NO	SITE	LOCATION	LAT	LONG	BASIN	CONTAM PATHWAY	CONCERN	LEVEL OF CONCERN
◆ 71	052411 - Carl Digeralamo - Inactive Operator		(see Table 16)		Wards Creek	surface water surface soils	Dry and Plugged	High
◆ 72	016012 - LA Inv Co & Union Sec - Inactive Operator		(see Table 16)		Bayou Fountain	surface water surface soils	Dry and Plugged	High
◆ 73	056452 - Frank Campbell - Inactive Operator		(see Table 16)		Wards Creek	surface water surface soils	Plugged and Abandoned	High
◆ 74	060248 - Joseph C Roberts - Inactive Operator		(see Table 16)		Wards Creek	surface water surface soils	Dry and Plugged	High
◆ 75	063396 - W R Pecue - General American Oil Co of Tx		(see Table 16)		Wards Creek	surface water surface soils	Dry and Plugged	High
◆ 76	189576 - Dalton Laborde SWD - Denovo Oil & Gas, Inc		(see Table 16)		Wards Creek	surface water surface soils	Salt Water Disposal	High
	Denovo Oil & Gas - Kleinpeter #7 189576 NORM							



TABLE 19 (CONTINUED)  
SITES OF CONCERN

NO	SITE	LOCATION	LAT	LONG	BASIN	CONTAM PATHWAY	CONCERN	LEVEL OF CONCERN
◆ 77	180886 - Ns 5500 Ra Su;Laborde - Denovo Oil & Gas, Inc  Denovo Oil & Gas - Kleinpeter 180886 NORM  Denovo Oil & Gas - Pit 17P029  Denovo Oil & Gas - Pit 17P030		(see Table 16)		Wards Creek	surface water surface soils	Active, Producing	High
◆ 78	057656 - W R Pecue - General American Oil Co of Tx		(see Table 16)		Wards Creek	surface water surface soils	Plugged and Abandoned	High
◆ 79	058915 - Frank Campbell - Inactive Operator		(see Table 16)		Wards Creek	surface water surface soils	Plugged and Abandoned	High
◆ 80	063954 - Frank Campbell - Inactive Operator		(see Table 16)		Wards Creek	surface water surface soils	Plugged and Abandoned	High
◆ 81	198341 - Martin Olshan - Marline Petroleum Corporation		(see Table 16)		Wards Creek	surface water surface soils	Dry and Plugged	High
◆ 82	187150 - Sgn Ns 2 Rc Su;Kleinpeter - Denovo Oil & Gas, Inc  Denovo Oil & Gas - Pit 17P032		(see Table 16)		Wards Creek	surface water surface soils	Active, Producing	High

TABLE 19 (CONTINUED)  
SITES OF CONCERN

NO	SITE	LOCATION	LAT	LONG	BASIN	CONTAM PATHWAY	CONCERN	LEVEL OF CONCERN
◆ 83	151010 - Sgn Ns 2 Ra Su;Kleinpeter - Denovo Oil & Gas, Inc  Denovo Oil & Gas - Kleinpeter # 1 - 151010 NORM		(see Table 16)		Wards Creek	surface water surface soils	Plugged and Abandoned	High
◆ 84	172087 - Sgn Ns 2 Rd Su;Fee - Denovo Oil & Gas, Inc		(see Table 16)		Wards Creek	surface water surface soils	Active, Producing	High
◆ 85	179627 - R L Kleinpeter - Denovo Oil & Gas, Inc		(see Table 16)		Wards Creek	surface water surface soils	Shut-in Protective - FU	High
◆ 86	185365 - Mt Ra Sua;Kleinpeter - Denovo Oil & Gas, Inc  Denovo Oil & Gas - Kleinpeter #7 - 185365		(see Table 16)		Wards Creek	surface water surface soils	Shut-in Protective - FU	High
◆ 87	156159 - D H Holmes - Goldking Production Co  Denovo Oil & Gas - Pit 17P037		(see Table 16)		Wards Creek	surface water surface soils	Dry and Plugged	High
◆ 88	175601 - Sgn Ns 3 Rd Su;Fee - Denovo Oil & Gas, Inc		(see Table 16)		Wards Creek	surface water surface soils	Reverted to Single Completion	High

TABLE 19 (CONTINUED)  
SITES OF CONCERN

NO	SITE	LOCATION	LAT	LONG	BASIN	CONTAM PATHWAY	CONCERN	LEVEL OF CONCERN
◆ 89	188322 - 8760 Ra Sua;Goldking - Denovo Oil & Gas, Inc		(see Table 16)		Bayou Fountain	surface water surface soils	Shut-in Protective - FU	High
◆ 90	189006 - Sgn Ns 3 Rd Su;Medisave - Denovo Oil & Gas, Inc  Denovo Oil & Gas - Pit 17P036  Medisave Pharmacies #1D - 189006 NORM		(see Table 16)		Wards Creek	surface water surface soils	Shut-in Protective - FU	High
◆ 91	174458 - Sgn Ns 2 Rd Su;Fee - Denovo Oil & Gas, Inc		(see Table 16)		Wards Creek	surface water surface soils	Active, Producing	High
◆ 92	158300 - Sgn Ns 2 Rc Su;Kleinpeter - Denovo Oil & Gas, Inc  Denovo Oil & Gas - Kleinpeter # 4 - 158300 NORM		(see Table 16)		Wards Creek	surface water surface soils	Shut-in Protective - FU	High
◆ 93	159437 - R L Kleinpeter - Denovo Oil & Gas, Inc  Denovo Oil & Gas - Pit 17P031		(see Table 16)		Wards Creek	surface water surface soils	Shut-in Protective - FU	High

TABLE 19 (CONTINUED)  
SITES OF CONCERN

NO	SITE	LOCATION	LAT	LONG	BASIN	CONTAM PATHWAY	CONCERN	LEVEL OF CONCERN
◆ 94	206470 - St George - Denovo Oil & Gas, Inc		(see Table 16)		Wards Creek	surface water surface soils	Dry and Plugged	High
◆ 95	183944 - Ns 3 Re Sua;Terrace Land Co - Denovo Oil & Gas, Inc		(see Table 16)		Wards Creek	surface water surface soils	Plugged and Abandoned	High
◆ 96	184784 - Sgn Ns 2 Rb Su;Terrace - Denove Oil & Gas, Inc		(see Table 16)		Wards Creek	surface water surface soils	Plugged and Abandoned	High
◆ 97	185549 - 8440 Ra Sua;Kleinpeter - Denovo Oil & Gas, Inc		(see Table 16)		Wards Creek	surface water surface soils	Plugged and Abandoned	High
◆ 98	158809 - Sgn Ns 3 Ra Su;Kleinpeter - Denovo Oil & Gas, Inc		(see Table 16)		Wards Creek	surface water surface soils	Plugged and Abandoned	High
◆ 99	159763 - Sgn Ns 3 Rb Su;Terrace Land - Denovo Oil & Gas, Inc		(see Table 16)		Wards Creek	surface water surface soils	Plugged and Abandoned	High
◆ 100	152815 - Sgn 10500 Ra Su;Kleinpeter - Denovo Oil & Gas, Inc		(see Table 16)		Wards Creek	surface water surface soils	Plugged and Abandoned	High
◆ 101	153863 - Sgn Ns 2 Ra Su;Wimbledon - Denovo Oil & Gas, Inc		(see Table 16)		Wards Creek	surface water surface soils	Plugged and Abandoned	High

TABLE 19 (CONTINUED)  
SITES OF CONCERN

NO	SITE	LOCATION	LAT	LONG	BASIN	CONTAM PATHWAY	CONCERN	LEVEL OF CONCERN
◆ 102	155675 - Sgn Ns 2 Rb Su; Terrace Land - Goldking Production Co  Denovo Oil & Gas - 17P033		(see Table 16)		Wards Creek	surface water surface soils	Plugged and Abandoned	High
◆ 103	156756 - Sgn Ns 2 RA Su; Klienpeter - Denovo Oil & Gas, Inc		(see Table 16)		Wards Creek	surface water surface soils	Plugged and Abandoned	High
◆ 104	173175 - Sgn Ns 3 Rd Su;Fee - Denovo Oil & Gas, Inc		(see Table 16)		Wards Creek	surface water surface soils	Shut-in Protective - FU	High
◆ 105	170865 - Sgn Ns 3 Rd Su;Fee - Denovo Oil & Gas, Inc		(see Table 16)		Wards Creek	surface water surface soils	Shut-in Protective - FU	High
◆ 106	190176 - Sgn Ns 2 Rd Su;Medisave - Denovo Oil & Gas, Inc  Medisave Pharmacies #1D - 190176 NORM		(see Table 16)		Wards Creek	surface water surface soils	Active, Producing	High
◆ 107	161610 - Sgn Ns 2 Ra Su;Kleinpeter - Denovo Oil & Gas, Inc		(see Table 16)		Wards Creek	surface water surface soils	Plugged and Abandoned	High

TABLE 19 (CONTINUED)  
SITES OF CONCERN

NO	SITE	LOCATION	LAT	LONG	BASIN	CONTAM PATHWAY	CONCERN	LEVEL OF CONCERN
◆ 108	179741 - Sgn Ns 3 Rd Su;Monhegan - Denovo Oil & Gas, Inc  Denovo Oil & Gas - Pit 17P035		(see Table 16)		Wards Creek	surface water surface soils	Plugged and Abandoned	High
◆ 109	171817 - Nelson - Memorial Exploration Company		(see Table 16)		Bayou Fountain	surface water surface soils	Shut-in Protective - FU	High
◆ 110	022686 - Neslon - Memorial Exploration Company		(see Table 16)		Bayou Fountain	surface water surface soils	Active, Producing	High
◆ 111	022871 - Duplantier A - Memorial Exploration Company		(see Table 16)		Bayou Fountain	surface water surface soils	Active, Producing	High
◆ 112	024827 - Duplantier C - Memorial Exploration Company  Union Texas Petroleum - Pit 17P064		(see Table 16)		Bayou Fountain	surface water surface soils	Active, Producing	High
◆ 113	026656 - Nelson - Memorial Exploration Company		(see Table 16)		Bayou Fountain	surface water surface soils	Active, Producing	High
◆ 114	027694 - Kennard Suc;Nelson - Memorial Exploration Company		(see Table 16)		Bayou Fountain	surface water surface soils	Active, Producing	High



TABLE 19 (CONTINUED)  
SITES OF CONCERN

NO	SITE	LOCATION	LAT	LONG	BASIN	CONTAM PATHWAY	CONCERN	LEVEL OF CONCERN
◆ 115	028162 - Nelson - Memorial Exploration Company		(see Table 16)		Bayou Fountain	surface water surface soils	Active, Producing	High
	Union Texas Petroleum - Pit 17P048							
◆ 116	033114 - Duplantier C - Memorial Exploration Company		(see Table 16)		Bayou Fountain	surface water surface soils	Active, Producing	High
◆ 117	024130 - Kennard Sul;Reinken - Inactive Operator		(see Table 16)		Bayou Fountain	surface water surface soils	Unable to Locate Well - no P&A	High
◆ 118	970894 - Dearing Community B SWD - Merl Wiggins Et Al		(see Table 16)		Bayou Fountain	surface water surface soils	Plugged and Abandoned	High
◆ 119	021273 - Nelson - Midhurst Oil Corporation		(see Table 16)		Bayou Fountain	surface water surface soils	Plugged and Abandoned	High
◆ 120	021931 - Nelson SWD - C & K Petroleum, Inc		(see Table 16)		Bayou Fountain	surface water surface soils	Plugged and Abandoned	High
◆ 121	021941 - Duplantier A - Midhurst Oil Corporation		(see Table 16)		Bayou Fountain	surface water surface soils	Plugged and Abandoned	High
◆ 122	022024 - Nelson - Midhurst Oil Corporation		(see Table 16)		Bayou Fountain	surface water surface soils	Plugged and Abandoned	High
◆ 123	022537 - Richard Community - Inactive Operator		(see Table 16)		Bayou Fountain	surface water surface soils	Plugged and Abandoned	High

TABLE 19 (CONTINUED)  
SITES OF CONCERN

NO	SITE	LOCATION	LAT	LONG	BASIN	CONTAM PATHWAY	CONCERN	LEVEL OF CONCERN
◆ 124	022561 - G F Morgan - Inactive Operator		(see Table 16)		Bayou Fountain	surface water surface soils	Plugged and Abandoned	High
◆ 125	022757 - Duplantier B - Midhurst Oil Corporation		(see Table 16)		Bayou Fountain	surface water surface soils	Plugged and Abandoned	High
◆ 126	022937 - Reiken - Inactive Operator		(see Table 16)		Bayou Fountain	surface water surface soils	Plugged and Abandoned	High
◆ 127	022964 - Richard Comm - Inactive Operator		(see Table 16)		Bayou Fountain	surface water surface soils	Plugged and Abandoned	High
◆ 128	022965 - Irby C Nichols Community - Inactive Operator		(see Table 16)		Bayou Fountain	surface water surface soils	Plugged and Abandoned	High
◆ 129	022983 - McDonald Community - Inactive Operator		(see Table 16)		Bayou Fountain	surface water surface soils	Plugged and Abandoned	High
◆ 130	023011 - Duplantier "A" - Midhurst Oil Corporation		(see Table 16)		Bayou Fountain	surface water surface soils	Plugged and Abandoned	High
◆ 131	023035 - Duplantier B - Midhurst Oil Corporation		(see Table 16)		Bayou Fountain	surface water surface soils	Plugged and Abandoned	High
◆ 132	023141 - Irby C Nichols - Inactive Operator		(see Table 16)		Bayou Fountain	surface water surface soils	Plugged and Abandoned	High
◆ 133	023298 - Nelson - Midhurst Oil Corporation		(see Table 16)		Bayou Fountain	surface water surface soils	Plugged and Abandoned	High
◆ 134	023440 - Duplantier - Midhurst Oil Corporation		(see Table 16)		Bayou Fountain	surface water surface soils	Plugged and Abandoned	High

TABLE 19 (CONTINUED)  
SITES OF CONCERN

NO	SITE	LOCATION	LAT	LONG	BASIN	CONTAM PATHWAY	CONCERN	LEVEL OF CONCERN
◆ 135	023559 - Nelson - Midhurst Oil Corporation		(see Table 16)		Bayou Fountain	surface water surface soils	Plugged and Abandoned	High
◆ 136	023605 - Duplantier C - Inactive Operator		(see Table 16)		Bayou Fountain	surface water surface soils	Plugged and Abandoned	High
◆ 137	023774 - McDonald - Inactive Operator		(see Table 16)		Bayou Fountain	surface water surface soils	Plugged and Abandoned	High
◆ 138	023871 - Duplantier C - Midhurst Oil Corporation		(see Table 16)		Bayou Fountain	surface water surface soils	Plugged and Abandoned	High
◆ 139	023937 - McDonald - Inactive Operator		(see Table 16)		Bayou Fountain	surface water surface soils	Plugged and Abandoned	High
◆ 140	023981 - Duplantier B - Inactive Operator		(see Table 16)		Bayou Fountain	surface water surface soils	Plugged and Abandoned	High
◆ 141	024129 - Richard Comm - Inactive Operator		(see Table 16)		Bayou Fountain	surface water surface soils	Plugged and Abandoned	High
◆ 142	024131 - Nicholls Comm - Inactive Operator		(see Table 16)		Bayou Fountain	surface water surface soils	Plugged and Abandoned	High
◆ 143	024132 - Rosebush - Inactive Operator		(see Table 16)		Bayou Fountain	surface water surface soils	Plugged and Abandoned	High
◆ 144	024333 - Learner Community - Inactive Operator		(see Table 16)		Bayou Fountain	surface water surface soils	Plugged and Abandoned	High
◆ 145	024708 - Nelson - Midhurst Oil Corporation		(see Table 16)		Bayou Fountain	surface water surface soils	Plugged and Abandoned	High

TABLE 19 (CONTINUED)  
SITES OF CONCERN

NO	SITE	LOCATION	LAT	LONG	BASIN	CONTAM PATHWAY	CONCERN	LEVEL OF CONCERN
◆ 146	024878 - Hatfield Community - Inactive Operator		(see Table 16)		Bayou Fountain	surface water surface soils	Plugged and Abandoned	High
◆ 147	024956 - Nelson - Midhurst Oil Corporation		(see Table 16)		Bayou Fountain	surface water surface soils	Plugged and Abandoned	High
◆ 148	025049 - Duplantier C - Midhurst Oil Corporation		(see Table 16)		Bayou Fountain	surface water surface soils	Plugged and Abandoned	High
◆ 149	025112 - Nelson - Midhurst Oil Corporation		(see Table 16)		Bayou Fountain	surface water surface soils	Plugged and Abandoned	High
◆ 150	025290 - Reinken - Inactive Operator		(see Table 16)		Bayou Fountain	surface water surface soils	Plugged and Abandoned	High
◆ 151	025312 - Duplantier - Inactive Operator		(see Table 16)		Bayou Fountain	surface water surface soils	Plugged and Abandoned	High
◆ 152	025475 - Rosebush - Inactive Operator		(see Table 16)		Bayou Fountain	surface water surface soils	Plugged and Abandoned	High
◆ 153	027107 - Richard Victory - Inactive Operator		(see Table 16)		Bayou Fountain	surface water surface soils	Plugged and Abandoned	High
◆ 154	027664 - Griffith - Inactive Operator		(see Table 16)		Bayou Fountain	surface water surface soils	Plugged and Abandoned	High
◆ 155	034993 - Nelson - Inactive Operator		(see Table 16)		Bayou Fountain	surface water surface soils	Dry and Plugged	High
◆ 156	030078 - Dearing Community B - Merl Wiggins Et Al		(see Table 16)		Bayou Fountain	surface water surface soils	Plugged and Abandoned	High

TABLE 19 (CONTINUED)  
SITES OF CONCERN

NO	SITE	LOCATION	LAT	LONG	BASIN	CONTAM PATHWAY	CONCERN	LEVEL OF CONCERN
◆ 157	033454 - Duplantier Morgan - Inactive Operator		(see Table 16)		Bayou Fountain	surface water surface soils	Plugged and Abandoned	High
◆ 158	033479 - 9300 Sua; Duplantier - Midhurst Oil Corporation		(see Table 16)		Bayou Fountain	surface water surface soils	Plugged and Abandoned	High
◆ 159	037489 - Kennard Sud;Nelson - Midhurst Oil Corporation		(see Table 16)		Bayou Fountain	surface water surface soils	Plugged and Abandoned	High
◆ 160	037491 - J Dodson - SCR Petroleum Exploration, Inc		(see Table 16)		Bayou Fountain	surface water surface soils	Plugged and Abandoned	High
◆ 161	037621 - Richard Victory - Inactive Operator		(see Table 16)		Bayou Fountain	surface water surface soils	Plugged and Abandoned	High
◆ 162	037867 - Nelson - Inactive Operator		(see Table 16)		Bayou Fountain	surface water surface soils	Plugged and Abandoned	High
◆ 163	038876 - Reinken Unit 2 - Inactive Operator		(see Table 16)		Bayou Fountain	surface water surface soils	Plugged and Abandoned	High
◆ 164	039191 - University Acres Unit - Inactive Operator		(see Table 16)		Bayou Fountain	surface water surface soils	Plugged and Abandoned	High
◆ 165	023511 - D A Duplantier - Inactive Operator		(see Table 16)		Bayou Fountain	surface water surface soils	Salt Water Disposal	High
◆ 166	196033 - 9000 Ra Sul;Duplantier Est - South Oak Production Company		(see Table 16)		Bayou Fountain	surface water surface soils	Active, Producing	High
	South Oak Prod - Pit 17P038							

TABLE 19 (CONTINUED)  
SITES OF CONCERN

NO	SITE	LOCATION	LAT	LONG	BASIN	CONTAM PATHWAY	CONCERN	LEVEL OF CONCERN
◆ 167	022222 - Nelson SWD - Memorial Exploration Company		(see Table 16)		Bayou Fountain	surface water surface soils		High
◆ 168	043315 - Reinken - Inactive Operator		(see Table 16)		Bayou Fountain	surface water surface soils	Dry and Plugged	High
◆ 169	025065 - McGiveny - The Superior Oil Company		(see Table 16)		Bayou Fountain	surface water surface soils	Dry and Plugged	High
◆ 170	045688 - Duplantier C - Midhurst Oil Corporation		(see Table 16)		Bayou Fountain	surface water surface soils	Plugged and Abandoned	High
◆ 171	040613 - Duplantier C - Memorial Exploration Company		(see Table 16)		Bayou Fountain	surface water surface soils	Plugged and Abandoned	High
◆ 172	201795 - Mio Ra Vua;Duplantier Estate - South Oak Production Company				Bayou Fountain	surface water surface soils	Active, Producing	High
◆ 173	202379 - 9700 Ra Sum;Duplantier Est - Memorial Exploration Company		(see Table 16)		Bayou Fountain	surface water surface soils	Active, Producing	High
	Union Texas Petroleum - Pit 17P062							
	Memorial Exploration Duplantier Estate A - 202379							



TABLE 19 (CONTINUED)  
SITES OF CONCERN

NO	SITE	LOCATION	LAT	LONG	BASIN	CONTAM PATHWAY	CONCERN	LEVEL OF CONCERN
◆ 174	108313 - Nelson - Midhurst Oil Corporation		(see Table 16)		Bayou Fountain	surface water surface soils	Dry and Plugged	High
◆ 175	022512 - Haase Community - Inactive Operator		(see Table 16)		Bayou Fountain	surface water surface soils	Dry and Plugged	High
◆ 176	023607 - Nelson - Memorial Exploration Company		(see Table 16)		Bayou Fountain	surface water surface soils	Shut-in Protective - FU	High
◆ 177	030332 - Nelson - Memorial Exploration Company		(see Table 16)		Bayou Fountain	surface water surface soils	Shut-in Protective - FU	High
◆ 178	037844 - Kennard Sue; Nelson - Memorial Exploration Company		(see Table 16)		Bayou Fountain	surface water surface soils	Shut-in Protective - FU	High
	Union Texas Petroleum - Pit 17P049							
◆ 179	041623 - Richard Victory - Inactive Operator		(see Table 16)		Bayou Fountain	surface water surface soils	Shut-in Protective - FU	High
◆ 180	025517 - McDonald - Inactive Operator		(see Table 16)		Bayou Fountain	surface water surface soils	Dry and Plugged	High
◆ D15	195453 - Sidney L Hornsby Et Al		(see Table 16)		Miss River Disposal Area	surface water surface soils	Shut-In Protective - FU	High
◆ D16	081555 - St Gianelloni-Ferro		(see Table 16)		Miss River Disposal Area	surface water surface soils	Reverted to single completion	High
◆ D17	105000 - 9800Sub;Mrs Phillip Ferro		(see Table 16)		Miss River Disposal Area	surface water surface soils	Reverted to single completion	High

TABLE 19 (CONTINUED)  
SITES OF CONCERN

NO	SITE	LOCATION	LAT	LONG	BASIN	CONTAM PATHWAY	CONCERN	LEVEL OF CONCERN
◆D18	078796 - P Ferro Et Al		(see Table 16)		Miss River Disposal Area	surface water surface soils	Plugged and Abandoned	High
◆D19	082817 - Gianelloni		(see Table 16)		Miss River Disposal Area	surface water surface soils	Dry and Plugged	High
◆D20	082820 - SI 3579 Gianelloni Etal U1		(see Table 16)		Miss River Disposal Area	surface water surface soils	Dry and Plugged	High
◆D21	080043 - SI 3579-Mrs P Ferro EtalSwd		(see Table 16)		Miss River Disposal Area	surface water surface soils	Salt Water Disposal	High
◆D22	106145 - 9700 Ra Suc;Ferro Et Al		(see Table 16)		Miss River Disposal Area	surface water surface soils	Active, Productin	High
◆D23	144908 - SI 5943		(see Table 16)		Miss River Disposal Area	surface water surface soils	Dry and Plugged	High
◆D24	135632 - S J Gianelloni		(see Table 16)		Miss River Disposal Area	surface water surface soils	Dry and Plugged	High
◆D25	082762 - 9700 Ra Sua;Gianelloni-Ferro		(see Table 16)		Miss River Disposal Area	surface water surface souls	Active, Producing	High
◆D26	970032 - Mrs Phillip Ferro SWD		(see Table 16)		Miss River Disposal Area	surface water surface souls	Salt Water Disposal	High

### Bayou Fountain

#### ◆ Wells and Pits

There are 74 wells within approximately one mile of Bayou Fountain. The wells are identified in Table 19 and are shown on Plate 3. The wells and their associated pits are concentrated at the terminus of the project on Bayou Fountain. Based on the proximity of many of these wells to the project, and the likelihood of contamination at these sites, they are given a "High" level of concern and are considered contributing sites for NORM surveys required at Sampling Site A.

#### (25) Exxon Station #8050, 8885 Highland and Staring Lane

The site is located approximately 1000 feet from Bayou Fountain. In November of 1991, a used oil tank and surrounding contaminated soil was removed from the facility. The soil was characterized as industrial waste for disposal. Contamination levels were: Oil and grease - 430 ppm to 540 ppm; VOH - 726 ppb to 770 ppb; and TCLP - BDL. In June of 1992, a two inch layer of product was found on top of the water table in the tank field. Numerous other gasoline spills of small quantity were also reported. Based on the distance of the site from the project and the level of known contamination at the site, it is assigned a "medium" level of concern and is considered a contributing site for sampling and analysis at Sampling Site B.

#### ◆ (33) Keans Cleaners, 218 Staring Lane

The site is located approximately 1500 feet from Bayou Fountain. In April of 1990, a citizen complaint revealed that the facility was disposing of it's perc in a ditch behind the property. The company remediated the site in December of 1990, however, the latest records show post remediation levels the same as pre-remediation levels, both failing TCLP for liquid phase perc. The files do not indicate whether or not additional remediation has taken place. Based on the proximity of the site to the project and the level of known contamination at the site, it is assigned a "medium" level of concern and is considered a contributing site for sampling and analysis at Sampling Site B.

#### (34) Kemron Environmental Services, 16550 Highland Rd

The site is located about 4000 feet from Bayou Fountain, near a surface water channel which flows into the bayou. The facility came under a new operator, International Analytical Services, in 1992, and was operating under the name Chemtex in August 1994. Kemron was a commercial environmental laboratory. They generated organic solvents, diluted acid solutions, and solutions containing metals from analyses. In April of 1980, the company was suspected of contaminating the bayou behind the facility when two dogs died and one became ill after swimming in the bayou. Inspection and later reports indicated generally poor storage and documentation of hazardous materials. Although the level of contamination appeared to be significant at one time, given the distance of the site from the project and the fact that the bayou appears to pass through a marsh area before reaching Bayou Fountain, thus providing a filtering effect, the site is assigned a "medium" level of concern. It is considered a contributing site for sampling and analysis at Sampling Site W.

(56A) Visual Site Survey - Bayou Fountain along Burbank (Site #63)

Located at this site is one of two abandoned Circle K service stations. The address of the facility is 9212 Burbank. It is located approximately 1500 feet from Bayou Fountain, adjacent to a ditch which flows into the bayou. The surrounding area was sparsely populated. The land use was primarily residential with some commercial and light industrial intermixed. No reference to contamination at this site was found during the agency review. An interview with the owner of the property at 56A, CKS Management, in August of 1994, indicated that the tanks had been removed from the site and the facility had never been used. The site is assigned a "low" level of concern. Although this site does not necessarily lead to testing, any contamination from the site would be detected at Sampling Site B.

(56B) Visual Site Survey - Bayou Fountain along Burbank (Site #63)

Located at this site is the second of two abandoned Circle K service stations. The address of the facility is 7490 Burbank. It is located approximately 1000 feet from Bayou Fountain, adjacent to Elbow Bayou which flows into Bayou Fountain. No reference to contamination at this site was found during the agency review. The site is assigned a "low" level of concern. Although this site does not necessarily lead to testing, any contamination from the site would be detected at Sampling Site B.

Wards Creek

◆ Wells and Pits

There are 38 wells within approximately one mile of Wards Creek and 6 wells within approximately one mile of Dawson Creek. The wells are identified in Table 19 and are shown on Plate 3. The wells and their associated pits are concentrated at the divergence of Wards Creek and Dawson Creek and at a location near the terminus of the project on Dawson Creek. Based on the proximity of many of these wells to the project, and the likelihood of contamination at these sites, they are given a "High" level of concern and are considered contributing sites for NORM surveys required at Sampling Sites E and G.

(2) BRFD # 709875&709883 (no name), 4600 Essen Lane

This is the location of the Rural Life Museum and the Burden Research Plantation (LSU). Although the extent of the property is uncertain, it appears that portions of it are adjacent to Wards Creek. Gasoline was reported in the sewer lines near the station at 4600 Essen Lane on October 8, 1987. The Baton Rouge Fire Department responded to flush sewer lines. This incident appears to be related to incidents at Chevron (16) and Exxon (23) located on Essen Lane as discussed below. The incident is assigned a "medium" level of concern and is considered a contributing site for sampling and analysis at Sampling Site C.

◆ (6) Baton Rouge Fairgrounds, 16000 - 17732 Airline Highway

This site is located approximately adjacent to Wards Creek near Bayou Manchac. It was previously known as Sanfil Reclamation, Inc., a 17.5 acre landfill which operated from 1978 to 1979 and received commercial, industrial and residential waste from the Baton Rouge area. It is

currently on EPAs CERCLA listing, but is assigned a "low" priority. Concerns at the site include low areas where the cap appears to be in poor condition. Water standing in some of these areas is discolored and has a foul odor and an oily sheen. Based on the proximity of the site to the project and the suspected contamination, the site is assigned a "high" level of concern and is considered the contributing site for Sampling Site T.

(7) Bill Moores Exxon 5-3564, 9936 Airline Hwy

The facility is located approximately 2000 feet from North Branch Wards Creek, approximately 3000 feet from the termination of the project. In November of 1989 during the process of excavation for a tank removal, the sidewall of a tank ruptured. Approximately 660 gallons of water and oil were cleaned from the excavation pit. In November of 1990, a leak developed at a joint. Samples taken at that time showed less than 5 ppm total BTEX. Based on the apparent remediation of the site and the distance of the site from the project, the site is assigned a "low" level of concern. Although this site does not lead to testing, any contamination from this site would be detected at Sampling Site D.

(16) Chevron Station, Essen and One Calais

The facility is located approximately 500 feet or less from Wards Creek. A citizen complaint filed in June of 1991 indicated that gasoline was bubbling up through the cracks in the road and parking lot and into the stormwater drainage system at this facility. The gasoline was flushed with 700 gallons of water. This incident appears to be source of the BRFD incident at the Rural Life Museum (2), discussed above and the Exxon Service Station on Essen (23), discussed below. If so, contamination has been present in the area since 1987. Based on the above information, the site is assigned a "high" level of concern and is considered a contributing site for sampling and analysis at Sampling Site C.

(21) Drusilla One Hour Martinizing, 3406 Drusilla Lane

The facility is located approximately 1000 feet from North Branch Wards Creek. A Notice of Violation was issued on June 20, 1986 pertaining to deficiencies in manifests, perc storage documentation, and the timely clean-up of spilled hazardous materials or hazardous materials trapped in sumps. The file does not indicate the release of hazardous materials to the environment. Based on this information and the distance of the site from the project, the site is assigned a "medium" level of concern and is considered a contributing site for sampling and analysis at Sampling Site D.

(23) Exxon Service Station, 4555 Essen Lane

The facility is located approximately 500 feet from Wards Creek. On October 8, 1987, gasoline odors were detected in the sewers at this site. No contamination could be detected from Exxon's systems, however. This incident appears to be related to the incidents at the Rural Life Museum (2) and Chevron Station (16) on Essen Lane discussed above. Based on the above information, the site is assigned a "medium" level of concern and is considered a contributing site for sampling and analysis at Sampling Site C.

(27) Gulf Oil Corp (Chevron 109045), 7808 Bluebonnet



The facility is located approximately 1000 feet from Dawson Creek. BTEX contamination was apparently detected at the site in 1991. The site has been under continual monitoring since that time. In October of 1991, BTEX constituents detected in soil ranged from 1.6 ppb to 3900 ppb and BTEX in groundwater ranged from 8.3 ppb to 35,000 ppb. Based on the proximity of the site from the project and the known contamination at the site, it is assigned a "medium" level of concern and is considered the contributing site for sampling and analysis at Sampling Site S.

(31) Hydro-Kem Services Inc., 18818 Highland Rd

The facility is located approximately 1500 feet from Wards Creek. A Compliance Order dated February 27, 1989 stated that the transporter failed to clean up a hazardous waste discharge that occurred on their property from the wash out of a tank. The hazardous waste was 1.5 gallons of liquid caustic which was neutralized, and wash out of a tank (1000 gallons). Violation was corrected by April 18, 1989. Based on the distance of the site from the project and the apparent remediation of the contamination, the site is assigned a "low" level of concern. Although this site does not necessarily lead to testing, any contamination from the site would be detected at Sampling Site T.

(38) PIE Transportation CO, I-10 at Bluebonnet

The concern at this location is a spill by PIE Transportation Co., which occurred in December of 1986 approximately 500 to 1000 feet from Wards Creek. A 500 gallon tank leaked approximately 200-350 gallons of sodium bisulfate on Interstate 10 westbound at Bluebonnet Rd. Sodium bisulfate is a corrosive with toxic vapors. No cleanup was conducted. Based on the known contamination and the proximity of the spill to the project, the site is assigned a "medium" level of concern and is considered a contributing site for sampling and analysis at Sampling Site X.

(40) Racetrac Service Station #373, 6240 Bluebonnet

The facility is located approximately 1000 feet from Wards Creek. In August of 1991, a leak of regular gasohol was discovered at the site. BTEX contamination at the site ranged from BDL to 33,000 ppb, benzene concentrations ranged from BDL to 11,000 ppb, and TPH-G ranged from 0.4 to 110 ppm. Remediation and monitoring continue. A report in the file indicated that the groundwater flow was to the north west. A draw toward Wards Creek is located northwest of the site. Reports in the file indicate that the contamination is contained locally, however. Based on the distance of the site from the project, the localized nature of the contamination, and the subsequent remediation, the site is assigned a "low" level of concern. Although this site does not necessarily lead to testing, any contamination from the site would be detected at Sampling Site X.

(42) Speedway Unit #9059, 10174 Airline Hwy

The facility is located approximately 1500 feet from a channel which flows approximately 3500 feet to North Branch Wards Creek. In June of 1990, tanks were removed from the site, two of which had 1/2" to 3/4" holes in them. One of the tanks which had a hole was a waste oil storage tank. Sampling results prior to the tank removal indicated BTEX contamination ranging from BDL to 2,179 ppb. In August of 1991, the facility received a compliance order for deficiencies relating to their leak detection systems. Although the site has apparent significant contamination, based on



it's distance from the project, it is assigned a "low" level of concern. Although this site does not necessarily lead to testing, any contamination from the site would be detected at Sampling Site D.

(44) Star Enterprises (Texaco), 1831 Staring Lane

The facility is located approximately 1500 feet from Dawson Creek. In December of 1990, BTEX contamination was detected in one of their monitoring wells. The site was remediated, and in November of 1991, LDEQ determined that no further action was necessary. Based on the given information, the site is given a "low" level of concern. Although this site does not necessarily lead to testing, any contamination from the site would be detected at Sampling Site S.

◆ (46) Valley Park School, 4510 Bawell St

The site is located on a channel which flows to Dawson Creek approximately 2 miles upstream from the termination of the project on that reach. The school was built over the closed Valley Park Landfill which was operational from the 1940s to 1963. LDEQ Office of Solid Waste lists a "closed Hazardous Waste site" located at the Valley Park School and extending to the southwest edge of the I-10/College Drive intersection. The site was officially closed in October, 1985. As of August 1994, the school was being used as an adult learning center. Sampling and testing in 1992 confirmed releases of acetone, PCBs, pesticides, and metals to the soil and surface water sediment from the site. The file indicates that the site is a potential candidate for the NPL. Although acetone would likely volatilize before reaching the project from the distance of this site, the metals, PCBs and pesticides could easily reach the project from that distance via the surface water; especially given that the pesticides used prior to the mid '60s were particularly persistent in the environment. Thus, based on the level of known contamination at the site and the length of time that the contaminants have had to migrate through the surface and groundwater, the site is assigned a "high" level of concern and is considered the contributing site for sampling and analysis at Sampling Sites F and Y.

(60) Visual Site Survey - Old Wards Creek at Highland Road (Site #42)

The area is primarily rural in the vicinity of the site. A diesel tank was observed on the ground near the channel. An old transformer was found on the ground near the tributary (old channel) on the north side of Highland Road. The site is assigned a "low" level of concern. Although this site does not necessarily lead to testing, any contamination from the site would be detected at Sampling Site T.

(61) Visual Site Survey - NBWC along Drusilla (Site #49)

The area surrounding the site is primarily commercial. A sheen and foam were detected on the water surface. Drusilla's Seafood is located near the channel. Butane cylinders were observed on the stream bank near the Drusilla's Seafood facility. A white, foamy discharge was noted from 2 box culverts across the channel. A golf course is located upstream of this outfall. The site is assigned a "medium" level of concern and is considered a contributing site for sampling and analysis at Sampling Site D.

(62) Visual Site Survey - NBWC at Jefferson (Site #49)

A building which houses Fashion Cleaners, Eastern Laundry, and a body shop is located approximately 20 feet from top of bank of a channel which flows approximately 500 feet into North Branch Wards Creek. An old pump island and possible UST vents are located on the premises. A crack approximately 2-3 inches wide was noted in the slab. Mud was washed out from underneath the slab on drive alongside the channel where the UST is located. Oil filters, related oil debris, auto parts, and sanding compound was located behind the body shop. Washwater from business was discharging directly into the channel (soap, foam, and lint was noted in this discharge). A Texaco service station was located on the other side of channel. The site is assigned a "medium" level of concern and is considered a contributing site for sampling and analysis at Sampling Site D.

#### Jones Creek

(1) BRFD # 7060 (no name), South Choctaw & Flannery  
In July of 1985, approximately 20 gallons of diesel spilled at the intersection of South Choctaw and Flannery. The spill occurred within approximately 100 to 200 feet of Lively Bayou. No indication of cleanup was given in the file. Although the incident appeared to have occurred very near the bayou, based on the length of time since the incident, the volatile nature of the contaminant, and the relatively small amount spilled, a "low" level of concern is assigned.

(3) BRFD # 904801 (no name), 12400 Florida Blvd  
The address given appears to be an auto dealership approximately 1000 feet from Lively Bayou Tributary. The only information available is that an incident occurred on May 3, 1989 at this location and consisted of assorted chemicals. No indication exactly what material is involved or if there actually was a spill. Based on the above information, the site is assigned a "medium" level of concern and is considered the contributing site for sampling and analysis at Sampling Site N.

(4) BRFD # 908382 (no name), N Flannery and S Choctaw  
In July of 1989, an unspecified amount of diesel presumably was spilled at the intersection of South Choctaw and North Flannery. The intersection is located within approximately 100 to 200 feet of the Lively Bayou. Although the location is very near the bayou, based on the length of time since the incident and the volatile nature of the contaminant, a "low" level of concern is assigned.

(5) Ballards Motorworks, 7000 blk Airline Hwy  
The site is located approximately 2000 feet from Jones Creek and is the location of possible contaminated oil on the ground, beneath automobiles, and in barrels. Oil stains extend off of the property along the sidewalk and grassy area between the sidewalk and the street. LDEQ required testing and cleanup of the site. However, no information is available regarding results of sampling and analysis. Based on the distance of the site from the project, however, the site is assigned a "low" level of concern. Although this site does not necessarily lead to testing, any contamination from the site would be detected at Sampling Site I.

(8) Broadmoor Exxon 5-3654, 9988 Florida Blvd & Sharp

The site is located approximately 500 feet from Jones Creek. During October of 1989, the soil and groundwater were contaminated when gasoline spewed out of a fill port after a failed tank tightness test. Based on the known contamination at the site and its proximity to the project, the site is assigned a "medium" level of concern and is considered a contributing site for sampling and analysis at Sampling Site J.

(10) C.R. Kirby Contractors, across street from 7350 Tom Dr

The location of the incident appears to be approximately 500 to 1000 feet from Jones Creek via surface water pathways. Apparently, a C.R. Kirby Contractors carrying a large tank (approximately 7 feet long) was observed dumping diesel into a storm drain on the side of the roadway in February of 1993. A large pool of diesel was later observed in a drainage canal behind Alan Watts Service, Inc. Based on the above information, the site is assigned a "medium" level of concern and is considered a contributing site for sampling and analysis at Sampling Site H.

(15) Chevron Station #10660242, 1155 Flannery Rd

The facility is located approximately 100 to 200 feet from Lively Bayou. In January of 1990, the site was shown to have BTEX contamination. The trend in a subsequent report indicated decreasing levels. Based on the above information, the site is assigned a "medium" level of concern and is considered a contributing site for sampling and analysis at Sampling Site L.

(17) Circle K #4737, 12891 Coursey Blvd & Stumberg

The facility is located approximately 2000 feet from Weiner Creek, near a channel which flows into a small lake on the creek. In May of 1986, possible leaks were detected in two USTs during tightness tests. Product was observed in the nearby ditch for several months during that time. No information is provided regarding remediation of the leaks. In June of 1992, a gasoline pipe leak developed during the removal of concrete slab when the contractor severed the product line. The amount spilled from that leak, however, was only approximately 3 gallons. Based on the known contamination and the lack of evidence of remediation, the site is assigned a "medium" level of concern and is considered the contributing site for sampling and analysis at Sampling Site P.

◆ (20) Daniell Battery, 11150 S Choctaw

The facility is located approximately 1000 feet from Lively Bayou Tributary, approximately 1500 feet from the termination of the project. Numerous citizen complaints indicate that the facility is dumping lead on the ground. A Compliance Order issued dated October 29, 1992 indicated that the facility failed to have a containment system designed and operating in accordance with Louisiana Laws, failed to determine if waste generated was hazardous, failed to label or clearly mark containers used for storing hazardous waste, failed to keep containers holding hazardous waste closed during storage, treated hazardous waste without having an interim status or a standard permit, failed to inspect the area where containers are stored, failed to institute personnel training, and failed to include in their annual report the type of material handled, the amount of material handled, and the disposition of their wastes. The facility also has a compliance history with LDEQ Air Quality. Based on the apparently significant amount of contamination at the site and the

transportability of the contaminants via the surface and groundwater, the site is assigned a "high" level of concern and is considered a contributing site for sampling and analysis at Sampling Site M.

(22) Exxon Company USA, 13315 Old Hammond Hwy

The facility is located adjacent to the Lively Bayou channel. In March of 1985, a leaking UST was discovered at the facility. Remediation was apparently ongoing in September of 1992, at which time total of 925 gallons of product had been recovered. Based on the level of known contamination and the proximity of the site to the channel, the site is assigned a "high" level of concern and is considered a contributing site for sampling and analysis at Sampling Site L.

(26) Exxon Store #5-0550, 7725 Airline Hwy

The site is located approximately 2000 feet from Jones Creek and is the location of BTEX contamination. On Jan 30, 1987 gasoline was detected seeping out of the concrete slab expansion joints. In December of 1990, the BTEX contamination level ranged from 5159 to 81,479 ppb (ug/L). Based on the distance of the site from the project, however, the site is assigned a "medium" level of concern. The site is considered a contributing site for sampling and analysis at Sampling Site I.

-(28) Gulf Oil Corp (Chevron 109050), 10097 Florida and Sharp

The site is located approximately 500 feet from Jones Creek. BTEX and TPH contamination has been detected on the site since July of 1989. Total BTEX has ranged from 2 to high as 19,750 ug/L and TPH has ranged from 1.0 to 6.0 ppm. A report in the file indicated that the shallow ground water flow direction was south toward Jones Creek. Based on the known contamination at the site and it's proximity to the project, the site is assigned a "high" level of concern and is considered a contributing site for sampling and analysis at Sampling Site J.

(32) Ill Central vs Ashland Transp, S Choctaw & W Dual

The site is located approximately 5000 feet from Jones Creek directly on Jones Creek Tributary. In April of 1988, at the intersection of South Choctaw and West Dual, an eastbound Illinois Central train struck an Ashland Chemical tank truck. The Ashland Chemical tank rolled into the ditch on the east side of West Dual spilling approximately 2000 gallons of triethylene glycol. The ditch was diked and the ditch vacuumed. Triethylene glycol is listed as a slight irritant and slight combustible. Based on the above information, the site is assigned a "low" level of concern. Although this site does not necessarily lead to testing, any contamination from the site would be detected at Sampling Site U.

(35) LA DOTD Dist 61 HQ, 8100 Airline Hwy

The site is located approximately 500 feet from Jones Creek. The DOTD was cited at this location for failure to properly store hazardous materials and for failure to cleanup spill near the hazardous waste drum storage areas in a timely manner. Based on the above information, the site is assigned a "medium" level of concern and is considered a contributing site for sampling and analysis at Sampling Site H.

(36) Monterray Exxon #50628, 9196 Choctaw Dr



The site is located approximately 2000 feet from Jones Creek. In November of 1992, the site was shown to have BTEX, TPH-G, and oil and grease contamination. BTEX concentrations reached 0.15 mg/kg. TPH-G concentrations ranged to 8 mg/kg. Hand borings from around the used oil pit contained oil and grease concentrations ranging to 4,200 mg/kg. An offsite sample had a concentration of 150 mg/kg. The tanks were removed and the site was remediated. Based on the distance of the site from the project and the apparent remediation of the site, it is assigned a "low" level of concern. Although this site does not necessarily lead to testing, any contamination from the site would be detected at Sampling Site U.

◆ (39) Prince Rubber and Plastics, 10296 S Choctaw

The site is located approximately 3000 feet from Jones Creek on Jones Creek Tributary. In August of 1991, the company was accused of dumping methyl ethyl ketone into their dumpster and behind the building for "years." Based on the nature of the contaminant and the length of time over which the illegal disposal has been occurring, the site is assigned a "high" level of concern and is considered a contributing site for sampling and analysis at Sampling Site U.

(45) Texaco, 2205 Sherwood Forest

The facility is located approximately 4000 feet from Jones Creek. Since July of 1989, product has been seeping into the ditch along North Harrels Ferry Road. In January of 1992, after a period of heavy rains, diesel fuel was reported seeping onto the pavement from the tank pit area and an oily sheen was observed in the ditch north of the site. 2000 gallons of liquid was pumped from tank pit. 50 gallons of liquid was pumped from ditch. Additional tank pumpings totaling 6950 gallons were conducted on Jan 29 and 30th. Quarterly reports were conducted from 1989 to 1992. Total BTEX ug/L ranged from ND to 448,130 over this time frame for 11 monitoring wells. TPH-G ranged from ND to 76 mg/L on 4/30/92 analysis. TPH-D was non-detected on 4/30/92 and 7/17/92 in 11 monitoring wells. Based on the apparent remediation of this site and its distance from the project, it is assigned a "low" level of concern.

(51) Visual Site Survey - Baton Rouge Engineering Depot (Site #3)

The facility is located at Sherwood and Choctaw. Two tributaries appear to drain the site. One flows approximately 5000 feet to Jones Creek. The other is Lively Bayou Tributary approximately 3000 feet from the termination of the project. The site appears to be an old military installation and contains large mounds of red soil like material and stockpiles of metal. The Louisiana State Police indicated that these are bauxite and aluminum respectively. Other reports indicate that the stockpiled metal is lead. A storage area and possible USTs were also observed in the area. Based on the potential for NORM and metals contamination as well as contamination from other military related activities, the site is assigned a "medium" level of concern and is considered a contributing site for sampling and analysis at Sampling Sites J, M, and U.

(52) Visual Site Survey - Jones Creek at Airway (Site #14)

The surrounding businesses are primarily automotive service industries. A very faint oil odor was present. An AST was located between Parts Plus and the Acasia Shrine Temple. The indications at this site could be resulting from potential contamination at sites upstream, including Ballards Motorworks (5), C.R. Kirby Contractors (10), Exxon Store #5-0550 (26), and LA DOTD (35)

discussed above. The site is assigned a "medium" level of concern and is the location for Sampling Site I.

(53) Visual Site Survey - Jones Creek between Sharp and Florida (Site #18)

The surrounding area is primarily commercial. A rusted 55 gallon drum was observed in the channel. Also observed was a very old service pump and UST vents very near the channel. No monitoring wells or leak detection systems were observed nearby. The site is assigned a "medium" level of concern and is considered a contributing site for sampling and analysis at Sampling Site J.

(54) Visual Site Survey - Jones Creek at Old Hammond Highway (Site #26)

An automotive graveyard and Brown's Body Shop were noted downstream from the channel crossing. A prominent odor of paint was present when team members walked within the banks of the channel. Paint cans, consumer size oil cans, mufflers, 5 gallon buckets, gasoline containers, and old tires were observed behind a mini storage business in vicinity of the channel. The site is assigned a "medium" level of concern and is considered the contributing site for sampling and analysis at Sampling Site O.

(55) Visual Site Survey - Jones Creek at Sherwood Forest (Site #29)

The site is in a primarily residential location. A sewer station was located near the channel and a noticeable sanitary sewer odor was in the air. A golf course was located adjacent to the channel. A gasoline pump with UST vents was located on golf course property. A storage shed containing pressure cylinders was observed near the top of bank. A cloudy, slick discharge was noted from the drainage culvert near the bridge. A rusted 55 gallon drum was located in the channel. Foam was also detected on the water surface. An oil sheen on the water surface downstream of bridge was observed. Rusted barrels on the bank of channel behind golf course maintenance shed were noted. An abandoned appliance with air compressor was located near channel. The site is assigned a "medium" level of concern and is considered a contributing site for sampling and analysis at Sampling Site K.

Beaver Bayou

◆ (11) CM Penn and Sons Inc, 14461 Frenchtown Rd

The facility is located adjacent to Beaver Bayou. Surface drainage from the site appears to be toward the bayou. The facility is a generator of hazardous wastes, a transporter of hazardous wastes for commercial purposes by highway, and a collector/transporter of used oil. The facility has a compliance history, mostly regarding manifests and training. Numerous citizen complaints have been filed against the facility. One regards a concern over their practice of washing the transport trucks onsite. Another regards a couple of hundred drums. The complainant indicated that the area where the drums were located flooded once in December [of 1982] and April of 1983. During an inspection of the site two or three empty drums were noted, but across Beaver Creek a couple hundred drums had floated against the fence line, most of which were empty. The property was leased to Amarex who used it as a storage yard, and subsequently went bankrupt. Penn personnel assumed responsibility and restacked the drums on higher land. The file had no information regarding whether or not the drums were empty prior to the flood or what any of the



drums may have contained. Another citizen complaint regards alleged burial of unknown materials onsite. During the visual site survey, numerous sludge containers, heavy equipment, and a caustic tank were noted onsite. Because of the proximity of this site to the bayou and its compliance history, it is assigned a "high" level of concern and is considered a contributing site for sampling and analysis at Sampling Site R.

(12) Central Exxon Service Cen 52176, 11575 Sullivan Rd at Hooper

This facility is located approximately 4000 feet from Beaver Bayou in a location where the surface water appears to drain away from the bayou. In November of 1988, a gasoline leak was detected at the facility. Approximately 16" of free phase hydrocarbons was discovered in a monitoring well during the sampling and testing phase that followed. BTEX levels ranged as high as 24,121 ppb. The last known report, dated March 1, 1993, indicated BTEX levels at 9,600 ppb. The direction of the groundwater is unknown, but because of the distance of this site from Beaver Bayou and the direction of the surface drainage, this site is assigned a "low" level of concern.

(14) Chevron #159686, 14343 Greenwell Springs Rd

The facility is located approximately 1500 feet from Beaver Bayou. The direction of the surface drainage in the area is unclear. BTEX has been detected in the monitoring wells since June of 1990 or before. Levels ranged as high as 9,952 ppb in August of 1990. No evidence of remediation is noted in the files. Based on the distance of the site from the bayou and on the level of known contamination at the site, it is assigned a "medium" level of concern and is considered a contributing site for sampling and analysis at Sampling Site Q.

(48) Visual Site Survey - Beaver Bayou at Frenchtown Road (Site #2)

The companies, Environmental Services, Inc. and C.M. Penn and Sons, are located in the vicinity of the channel, approximately a mile upstream from this location. Behind the office buildings, numerous sludge containers, a caustic tank, and heavy equipment were noted. This site relates to C.M. Penn discussed above and could receive contamination from C.M. Penn. As such, it is assigned a "medium" level of concern and confirms the need for sampling and analysis at Sampling Site R.

Blackwater Bayou

(30) Highway Pipeline Trucking, Hooper and Shady Bluff

During an auto accident involving an 18-wheeler in July, 1988, approximately 80 gallons of diesel spilled onto the ground with some of the diesel going directly into Blackwater Bayou. The incident was responded to by LDEQ Emergency Response, but no cleanup was conducted. An odor was detected, but no sheen was observed on the water. Based on the known contamination of Blackwater Bayou, the site is assigned a "medium" level of concern and is considered the contributing site for sampling and analysis at Sampling Site V.

Parish Landfill Disposal Area

◆ (D1) Bayou Baton Rouge

Bayou Baton Rouge flows adjacent to an industrial corridor along Highway 61. As such, an investigation was undertaken to determine if the bayou had become contaminated by the adjoining industries. The area investigated borders Petro-Processors (an NPL site) and Schuylkill Metals. During the 1960s and 70s the Petro-Processors site was used as a depository for chlorinated organic solvents and organic wastes from petro-chemical processes and refining. Organic compounds and metals have migrated into Bayou Baton Rouge affecting both surface water and sediment quality off-site. Sampling was conducted for volatile organics, semivolatile organics, metals, pesticides, and PCBs. Groundwater contamination of the shallow alluvial sediments has been identified in the bayou area next to the Petro-Processors site. Based on the proximity of the site to the disposal area and the known contamination, it is assigned a "high" level of concern and is considered a contributing site for sampling and analysis and Sampling Site Z.

◆ (D2) Deltech Corporation

The facility has also operated as American Hoechst Corporation. It is the location of the cleanup and closure of five inactive tar ponds. Testing of soil samples showed trace amounts of tar in some cases, and water samples showed concentrations below or close to applicable standards. The following substances were found during remedial sampling: benzene, 1,1-dichloroethane, ethylbenzene, toluene, styrene, diethylbenzene, methylene chloride, xylene, trichlorofluoromethane, and divinylbenzene. The site has been deferred to RCRA. The site is listed with LDEQ Ground Water Protection as a site under remediation for ground water contamination. A LDEQ Air Quality Compliance Order was issued on 08/21/90 and a Formal Inquiry was issued on 11/06/92. Based on the proximity of the site to the disposal area and the known contamination at the site, it is assigned a "high" level of concern and is considered a contributing site for sampling and analysis and Sampling Site Z.

◆ (D3) Devil's Swamp

Devil's Swamp is located adjacent to an industrial corridor along Highway 61. Bayou Baton Rouge flows through the swamp and Devil's Swamp Lake, Devil's Swamp - Ewell Property, and the Devil's Swamp Landfill (Parish Landfill) are all associated with it. See summaries for these sites for more information regarding contamination in the swamp. Based on the known and suspected contaminants at the site, it is assigned a "high" level of concern and is considered a contributing site for sampling and analysis at Sampling Site Z.

◆ (D4) Devil's Swamp - Ewell Property

The site is located at Section 44 and 45, T5S R1W in Scottlandville, LA, and is the location of hexachlorobenzene (HCB), hexachlorobutadiene (HCBd), and PCB contamination which is suspected to have originated from the Rollins Environmental Services facility. Testing for semivolatiles, metals, pesticides, and PCBs confirmed contamination from pesticides and chlorinated hydrocarbons. Based on the known and suspected contaminants at the site, it is assigned a "high" level of concern and is considered a contributing site for sampling and analysis at Sampling Site Z.

◆ (D5) Devil's Swamp Lake

Devil's Swamp Lake was assessed for toxics-related concerns for public health/aquatic life in LDEQ's Water Quality Management Plan, Water Quality Inventory for 1990. It is a cypress swamp northwest of Baton Rouge adjacent to the Mississippi River and it receives discharges and stormwater runoff from a hazardous waste facility and industrial facilities. Analytical results from sampling and testing in the lake have indicated the presence of several man-made organic compounds at low levels. In 1985 and 1986, PCBs were also detected in samples collected in the northeastern end of the lake and in samples collected from an effluent channel which flows into the lake from a nearby active hazardous waste disposal facility. Sediment samples taken in the 1980s revealed a range of low to threshold levels of polynuclear aromatic hydrocarbons (PAHs) and chlorobenzenes. Levels of hexachlorobenzene (HCB) and hexachloro 1,3-butadiene (HCBd) in fish tissue exceeded "emergency guidelines" set forth by Louisiana Department of Health and Human Resources and LDEQ. HCB and HCBd contamination appears to be from the Petro-Processors site and Rollins is considered the most probable source of the PCB contamination. Based on the known and suspected contaminants at the site, it is assigned a "high" level of concern and is considered a contributing site for sampling and analysis at Sampling Site Z.

- ◆ (D6) Devil's Swamp Landfill, Thomas Road  
One of the disposal areas is a borrow pit located on this site. It is a city-parish sanitary landfill consisting of 253 acres levied on the west side for flood protection. An EPA Potential Hazardous Waste Site Identification and Preliminary Assessment dated November 29, 1979 indicated that Allied, Stauffer, Shell and Exxon have disposed of chemicals and organics at the site in the past and a Site Inspection was required. A Site Inspection Report was prepared on January 29, 1980. Landfill records indicated that PVC powders and compounds, lead, barium sulfate and carbon black were hauled into the landfill. A Preliminary Assessment dated June, 1981 indicated that Stauffer Chemical Company was disposing of hydrogen sulfate from oil refining into the landfill. Waste categories also identified were acids, metals, asbestos, and contaminated soil from furnace ash. Records also indicate that DOTD has been disposing of aluminum epoxy at the landfill for "years." The landfill was closed in 1993. Based on the known and suspected contaminants immediately adjacent to the disposal area, the site is assigned a "high" level of concern and is considered a contributing site for sampling and analysis at Sampling Site Z.
- ◆ (D7) Exxon - Maryland Tank Farm  
The site is located along LA 19 in Scotlandville and is an active facility which conducts oil reclamation, refining, and disposal. The site has been in operation since 1920s or 30s. Suspect operation consisted of land spreading of separator sludge and storage of leaded tank bottoms. Several spills have occurred at the site including natural gasoline, F037 and F038 primary sludge, toluene, and crude oil. Based on the proximity of the site to the disposal area and the suspected and known contamination at the site, it is assigned a "high" level of concern and is considered a contributing site for sampling and analysis and Sampling Site Z.
- ◆ (D8) Exxon Resin Finishing Plant  
The facility is located approximately 2500 feet from the parish landfill disposal area. Waste constituents at the facility include benzene, E. benzene, naphthalene, toluene, cumene, isoprene, styrene, xylene, DMF, and other VOCs. Ground water concerns are old process areas and

aboveground storage tanks. Assessment and remedial activities are ongoing at various locations at the facility. Based on the proximity of the site to the disposal area and the suspected and known contamination at the site, it is assigned a "high" level of concern and is considered a contributing site for sampling and analysis and Sampling Site Z.

◆ (D9) Paxon and Polymer

The facility is also known as Allied Signal and is located on Highway 61 approximately one mile from the parish landfill disposal area. As Allied Signal the facility manufactured primarily high density polyethylene using the Phillips particle form process. Two cooling tower blowdown ponds which had previously been classified as hazardous waste impoundments were addressed in a closure certification plan by the company. LDEQ reviewed the closure procedures and identified the impoundments as officially closed on 10/08/85. The site is currently being monitored for ground water contamination. Waste constituents at the facility include volatiles and chrome. A LDEQ Emergency Response record on 06/21/91 indicates a spill of High Density Polyethylene at the site. The Baton Rouge Fire Department responded to a call regarding smoke in the area on 10/24/89. The facility is also listed with LDEQ CDS and TEDI. Based on the proximity of the site to the disposal area and the suspected and known contamination at the site, it is assigned a "high" level of concern and is considered a contributing site for sampling and analysis and Sampling Site Z.

◆ (D10) Petro Processors

Petro-Processors of Louisiana, Inc. is located on Brooklawn Drive approximately 3.5 miles from the parish landfill disposal area on a direct surface water route. It is on the National Priority List (NPL) and is currently undergoing cleanup. The site consists of two waste disposal areas. Both sites contain volatile aromatic hydrocarbons, volatile chlorinated hydrocarbons, polyaromatic hydrocarbons, and thirteen priority pollutant metals. Contaminants have been detected in soil, groundwater, sediment, surface water and fish tissue. Contamination from this site is believed to have migrated into the surrounding areas of Devil's Swamp, Devil's Swamp Lake and Bayou Baton Rouge. Numerous removal, remediation, and enforcement actions are noted on the CERCLIS inventory for this site. Based on the proximity of the site to the disposal area and the suspected and known contamination at the site, it is assigned a "high" level of concern and is considered a contributing site for sampling and analysis and Sampling Site Z.

(D11) Reynolds Metals

The facility is located on West Brooklawn Drive. It is listed with LDEQ Air Quality CDS and TEDI. It received a Compliance Order on 08/21/90 and a Formal Inquiry on 11/26/90 from LDEQ Air Quality. A thick black dust surrounds the grounds of the facility. Although the facility is a major industrial plant, because of its distance from the disposal area, it is assigned a "medium" level of concern. It is a contributing site for sampling and analysis at Sampling Site Z.

◆ (D12) Rollins Environmental Services

Rollins Environmental Services is located at 13351 Scenic Hwy in Baton Rouge. The site is used for incineration of hazardous waste and landfilling of incinerated material. Testing was conducted on July 11, 1986 for various locations on or near site. Total PCBs ranged from 0.027 ppm to 14.2 ppm. The site is considered the source of PCB contamination in Devil's Swamp Lake and Devil's



Swamp - Ewell Property. LDEQ Emergency Response has records of a number of spills at the Rollins facility including PCBs, landfill leachate, #2 and #6 oil, titanium tetrachloride, thermoxidation sludge. Their records also show numerous questionable activities such as washing trucks out onto the ground and canals, oil on the ground, improper handling of hazardous wastes, and improper manifests. The site is currently under assessment with LDEQ Office of Water Resources for potential groundwater contamination. Studies for the site include analysis of acids, base/neutrals, volatile organics, pesticides, total metals, dissolved metals, conventional parameters. Rollins relieved LDEQ Air Quality Compliance Orders on 09/01/89 and 08/21/90 and Formal Inquiries on 04/09/91 and 01/20/92. Based on the proximity of the site to the disposal area and the suspected and known contamination at the site, it is assigned a "high" level of concern and is considered a contributing site for sampling and analysis and Sampling Site Z.

◆ (D13) Schuylkill Metals

The site is located on Brooklawn Drive near the Mississippi River. The site is an active secondary lead smelter and refinery that recycles lead. Two large landfills are located on site. One of the landfills is "closed" while the other is active and located adjacent to the banks of Bayou Baton Rouge. The site is said to be used for improper storage of the following metals: lead, cadmium, barium, arsenic, nickel, zinc, and chromium. Records on file with LDEQ Emergency Response and Citizen Complaints reference a spill of battery acid, and explosion, improper storage of drums and storage of hazardous waste in old abandoned drums. The site is currently under assessment with LDEQ for ground water contamination. The facility relieved LDEQ Air Quality Formal Inquiries on 05/02/90 and 05/01/91 and a Non-compliance Penalty on 12/18/91. Based on the proximity of the site to the disposal area, the suspected and known contamination at the site, and the compliance history of the facility, it is assigned a "high" level of concern and is considered a contributing site for sampling and analysis and Sampling Site Z.

◆ (D14) Union Tank Car Company

Site is located on Brooklawn Drive in Baton Rouge. Site is used for rail tank car cleaning, repair, and degassing operations. Waste indicated on site were: organic sludge accumulations on bottom of impoundments, alcohols, methanols, acids, caustics, phenols. Tanks are purged to the atmosphere; degassing operations in past caused a methyl mercaptan release to the air which caused illness parish wide. Possible contamination of ground water was indicated as a result of leachate from biological system with no liner. Soil contamination was noticeable in cleaning yard from wash water and product spillage. It was also noted that some storm drains bypass biological treatment and appear to be contaminated. The drum storage inspection indicated that there were no labels on the approximately 60 drum stored on site. Evidence of leaking and spillage was also noted. Based on the proximity of the site to the disposal area and the suspected and known contamination at the site, it is assigned a "high" level of concern and is considered a contributing site for sampling and analysis and Sampling Site Z.

◆ (D27) US Steel Corporation, USS Chemicals

Site address is 12537 Scenic Hwy, Baton Rouge. USS Chemicals manufactured ABS plastics and a commercial latex until 1983. In December, 1983 sludge samples were collected under LDNR supervision and were analyzed for volatile organic compounds. The results of chemical analysis

revealed only trace amounts of ethylbenzene, toluene and xylene. A Preliminary Assessment was completed on June 4, 1981 indicating that solvents, polymers and plant trash was burned at this landfill. No hazardous wastes are still on site according to company officials. A Site Inspection Report was completed in 1984 for the site. The waste substances of greatest concern were: ethylbenzene, toluene, and xylene.

#### Mississippi River Borrow Pits Disposal Area

##### ◆ Wells and Pits

There are 10 wells within approximately one mile of the proposed disposal area along the Mississippi River near Gardere Lane. The wells are identified in Table 19 and are shown on Plate 3. Based on the proximity of many of these wells to the project, and the likelihood of contamination at these sites, they are given a "High" level of concern and are considered contributing sites for NORM survey required at Sampling Site AA.

#### 6.2 Sampling and Analysis Recommendations

Table 20 lists recommended locations for sampling and analysis. Sampling locations were determined through an analysis of the sites of concern and are based on the number of sites and the level of concern for those sites in an area. The sampling locations are shown on Plate 3.

TABLE 20  
SAMPLING LOCATIONS

SITE	SAMPLING LOCATION	CONTRIBUTING SITES (see Table 19)	MATRIX	REQUIRED ANALYSIS
<b>BAYOU FOUNTAIN</b>				
A	Bayou Fountain from Elbow Bayou to terminus of project	Wells and Pits	surface	NORM
			soil gas	TD/MS TD/MS/GC
			soil	TCL & TAL
B	Bayou Fountain near Gardere Lane	25, 33, 56 B, 56 A	sediment, surface water	TPH, Perc
			soil gas	TD/MS TD/MS/GC
			soil	TCL & TAL
W	Bayou Fountain near Highland Crossing	34, 57	sediment, surface water	Priority Pollutants



TABLE 20 (CONTINUED)  
SAMPLING LOCATIONS

SITE	SAMPLING LOCATION	CONTRIBUTING SITES (see Table 19)	MATRIX	REQUIRED ANALYSIS
<b>WARDS CREEK</b>				
Y	Wards Creek at Corporate Blvd (project terminus)	46	sediment, surface water	Priority Pollutants
C	Wards Creek at Essen	2, 16, 23	sediment, surface water	TPH
D	NBWC at I-12 (project terminus)	7, 21, 42, 61, 62	sediment, surface water	TPH, Perc, Herbicides, Pesticides
E	Wards Creek from Siegan to Bluebonnet	Wells and Pits	surface	NORM
			soil gas	TD/MS TD/MS/GC
			soil	TCL & TAL
X	Wards Creek at Bluebonnet	38, 40	sediment, surface water	TPH
F	Dawson Creek at Bayou Duplanier (project terminus)	46	sediment, surface water	Priority Pollutants
G	Dawson Creek at Kenilworth Parkway	Wells and Pits	surface	NORM
			soil gas	TD/MS TD/MS/GC
			soil	TCL & TAL
S	Dawson Creek below Bluebonnet at convergence with channel draining Chevron 109045 facility	27, 44	sediment, surface water	TPH
T	Wards Creek at Bayou Manchac (Beginning of Project)	6, 31, 60	sediment, surface water	Priority Pollutants
			soil gas	TD/MS TD/MS/GC
			soil	TCL & TAL

TABLE 20 (CONTINUED)  
SAMPLING LOCATIONS

SITE	SAMPLING LOCATION	CONTRIBUTING SITES (see Table 19)	MATRIX	REQUIRED ANALYSIS
<b>JONES CREEK</b>				
H	Jones Creek at DOTD	10, 35	sediment, surface water	Priority Pollutants
I	Jones Creek at Airway	5,26,52	sediment, surface water	TPH
U	Jones Creek at Jones Creek Tributary	32, 36, 39, 51	sediment, surface water	TPH, VOA, Metals
J	Jones Creek at Florida Blvd	8, 28, 51, 53	sediment, surface water	TPH, Metals
			soil gas	TD/MS TD/MS/GC
			soil	TCL & TAL
K	Jones Creek at Sherwood Forest Blvd	55	sediment, surface water	Herbicides, Pesticides, TPH
L	Lively Bayou at Flannery Road	15, 22	sediment, surface water	TPH
M	Lively Bayou Tributary at Tams Drive (project terminus)	20, 51	sediment, surface water	TPH, Metals
			soil gas	TD/MS TD/MS/GC
			soil	TCL & TAL
N	Lively Bayou Tributary at Florida Blvd	3	sediment, surface water	TPH, Metals
O	Jones Creek at Lively Bayou	54	sediment, surface water	TPH, Chlorinated Hydrocarbons, Herbicides, Pesticides
P	Weiner Creek at lake outlet	17	sediment, surface water	TPH, Herbicides, Pesticides

**BEAVER BAYOU**

TABLE 20 (CONTINUED)  
SAMPLING LOCATIONS

SITE	SAMPLING LOCATION	CONTRIBUTING SITES (see Table 19)	MATRIX	REQUIRED ANALYSIS
Q	Beaver Bayou at Greenwell Springs Road	14, 47	sediment, surface water	TPH
R	Beaver Bayou near C.M. Penn	11	sediment, surface water	Priority Pollutants
			soil gas	TD/MS TD/MS/GC
			soil	TCL & TAL
<b>BLACKWATER BAYOU</b>				
V	Blackwater Bayou at Hooper Road	30	sediment, surface water	TPH, Herbicides, Pesticides
<b>PARISH LANDFILL DISPOSAL AREA</b>				
Z	Borrow Pit at the parish landfill (Devil's Swamp Landfill)	D1 - D14, D27	sediment, surface water	Priority Pollutants
			soil gas	TD/MS TD/MS/GC
			soil	TCL & TAL
<b>MISSISSIPPI RIVER BORROW PITS DISPOSAL AREA</b>				
AA	Borrow Pits along the Mississippi River near Gardere Lane	Wells and Pits	surface	NORM

### 6.3 Sensitivity Analysis

The following is a discussion of the impact to the projects should contamination be found within the project limits due to any of the sites of concern. The sites which could seriously impact the project were identified with a diamond (◆) in Section 6.1 "Sites of Concern." These are tabulated below. It should be noted that any required remediation is considered solely a local sponsor cost.

SITE OF CONCERN	PROJECT
Wells and Pits	Bayou Fountain, Wards Creek Mississippi River Disposal Area
Keans Cleaners (33)	Bayou Fountain
Baton Rouge Fairgrounds (6)	Wards Creek
Valley Park School (46)	Wards Creek
Daniell Battery (20)	Jones Creek
Prince Rubber and Plastics (39)	Jones Creek
C.M. Penn and Sons, Inc. (11)	Beaver Bayou
Bayou Baton Rouge	Parish Landfill Disposal Area
Deltech Corporation	Parish Landfill Disposal Area
Devil's Swamp	Parish Landfill Disposal Area
Devil's Swamp - Ewell Property	Parish Landfill Disposal Area
Devil's Swamp Lake	Parish Landfill Disposal Area
Devil's Swamp Landfill (Parish Landfill)	Parish Landfill Disposal Area
Exxon - Maryland Tank Farm	Parish Landfill Disposal Area
Exxon Resin Finishing Plant	Parish Landfill Disposal Area
Paxon Polymer	Parish Landfill Disposal Area
Petro Processors	Parish Landfill Disposal Area
Rollins Environmental Services	Parish Landfill Disposal Area
Schuykill Metals	Parish Landfill Disposal Area
Union Tank Car Company	Parish Landfill Disposal Area
US Steel Corporation, USS Chemicals	Parish Landfill Disposal Area

In general, Sites of Concern that had petroleum hydrocarbon contamination were not considered to be sites that could seriously impact the project. Although remediation may be necessary for these sites, the cost of the remediation is relatively inexpensive. In addition, these contaminants are somewhat volatile and do not tend to persist in the same location for very long. Once the source of the contamination is stopped, the contaminants would likely be transported away from the project areas by the normal flow of the channels. Native bacteria within the soils would tend to break down the contaminants in the soils.

#### Wells and Pits

Any well or pit location could seriously impact the project. There are a number of concerns associated with the oil and gas industry, particularly, wells and pits. The first and most obvious is NORM. See section 5.2.1.5 "Office of Air Quality and Radiation Protection" for an explanation of the causes of NORM in association with wells and pits. NORM is also a concern along pipelines where breaks have occurred or repairs have been made or at clean-out locations due to the spillage of sludge buildup within the pipes. Other concerns associated with the oil and gas industry are petroleum hydrocarbon and metals contamination at wells, pits, pipes, etc. and mercury contamination at metering stations.

A large grouping of wells is located at the upper end of Bayou Fountain. If contamination is discovered, a possible alternative to remedial activity by the parish may be creating a "no work area" from the contaminated zone upstream to the terminus of the project.

Two groupings of wells are located in the Wards Creek Project. One grouping is near the end of the project on Dawson Creek. If contamination is discovered, a possible alternative to remedial activity by the parish may be creating a "no work area" from the contaminated zone upstream to the terminus of the project. The other grouping is located on Wards Creek from Siegen to Bluebonnet in the middle of the project. This location yields very little alternative to remediation.

A grouping of wells are also located near the Mississippi River borrow areas proposed to be used for disposal of excavated material. If contamination is discovered, an alternative may be to dispose of the excavated material in another location.

#### Keans Cleaners (33)

Keans Cleaners is considered to be a site which could seriously impact the project if contamination due to its activities is found within the project boundaries. Perc (tetrachloroethylene) is the fluid used for dry cleaning. It is a colorless, noncombustible liquid with a mild chloroform-like odor and is a Group 2B carcinogen meaning that it is a possible carcinogen to human health. It is heavier than water with a specific gravity of 1.62 and it is only slightly soluble in water. It has a tendency to move with the groundwater, gradually sinking to the bottom of the water table, leaving soil contamination in its wake. Keans Cleaners is located approximately two-thirds of the way up Bayou Fountain. If contamination is discovered, a possible alternative to remedial activity by the parish may be creating a "no work area" from the contaminated zone upstream to the terminus of the

project. Until testing and sampling are completed, however, it is difficult to predict how far any contamination from the site may have spread.

#### Baton Rouge Fairgrounds (Landfill) (6)

Landfills are the most complex of all HTRW concerns. Comprehensive lists of materials associated with landfills are not possible because of the great variety of constituents. However, methane is a gas that is generally associated with the decomposition occurring in landfills and is almost always present. Landfills may contain household wastes, including cleaners, automotive products, garden products, pool products, and human and animal biological wastes (eg. disposable diapers, cat litter, etc.); medical wastes (see Medical, Dental, and Veterinary Facilities, this section); industrial wastes; and HTRW. In addition, chemicals and hazards in the landfill have the potential of combining with other chemicals present to form new hazards. Every type of hazard imaginable is possible in conjunction with landfills. A large number of landfills, especially older ones which did not operate under the more rigid regulations in place today, become NPL sites.

Baton Rouge Fairgrounds (6) only operated for one year, however, it relieved industrial, commercial, and residential wastes. Some of these types of wastes may be highly toxic. The site operated approximately 16 years ago, allowing ample opportunity for contaminants to leach to the project area. The site is located near the beginning of the project on Wards Creek, so if contamination is found, circumvention may not be possible and remediation may be the only practical alternative.

#### Valley Park Landfill (46)

Valley Park Landfill (46) operated for approximately 20 to 30 years, and is considered a hazardous site by LDEQ Solid Waste Division. The site is a potential NPL site and has a direct surface water route to the upper end of the project on Dawson Creek. There may be a contamination pathway to the upper end of the project on Wards Creek. If contamination is found within the project limits on either channel due to this site, a possible alternative to remedial activity by the parish may be creating a "no work area" from the contaminated zone upstream to the terminus of the project.

#### Daniell Battery (20)

The types of materials associated with batteries include: alkalis, epoxy resins, pitch, plastics, and solvents. The raw materials, intermediate products, final products, and waste products generated during their manufacture and use include: antimony, cadmium, cobalt, copper, lead, magnesium, manganese, mercury, nickel, picric acid, sulfuric acid, and zinc. Other associated materials include benzene and hydrogen chloride. Metals contamination is the most likely concern at this site. Contamination due to Daniell Battery would effect the terminus of the project on Lively Bayou Tributary. If contamination is found within the project limits due to this site, a possible alternative to remedial activity by the parish may be creating a "no work area" from the contaminated zone upstream to the terminus of the project.



#### Prince Rubber and Plastics (39)

Methyl ethyl ketone (MEK) is the contaminant of concern at this site. MEK is both volatile and water soluble, making remediation difficult. Contamination from this site would reach Jones Creek via Jones Creek Tributary. If contamination is found at this location, a possible alternative to remedial activity by the parish may be creating a "no work area" from the contaminated zone upstream to the terminus of the project. This may not be an attractive solution, however, since a considerable portion of the project on Jones Creek would be lost.

#### C.M. Penn and Sons, Inc. (11)

Because the HTRW field has grown so much in the last few years, support industries have also grown. These may include transporters of hazardous wastes; treaters, storers, and disposers (TSDs) of hazardous wastes; environmental testing laboratories; and environmental engineering companies. Most operate within the purview of the law and carry on in a safe and efficient manner. Some, however, do not. All are subject to occasional spills and accidents, as is any other business which deals with HTRW. The types of materials and hazards that may be encountered is dependent on the clientele of the business and is varied as the HTRW industry itself. C.M. Penn and Sons, Inc. has an extensive citizen complaint history, indicating cause for concern for their operating procedures. As a generator and transporter of hazardous wastes, the types of contaminants emanating from their site could be extensive and varied. The site is located very near the beginning of the project on Beaver Bayou. Because of development on both sides of the channel, remediation of the site may be the only alternative if contamination is found.

#### Parish Landfill Disposal Area

The parish landfill is the Devil's Swamp Landfill, which seems to be hydraulically connected to Devil's Swamp. The disposal area is a borrow pit on the landfill grounds. A number of contaminants from commercial and industrial enterprises have been disposed of at the landfill. Some activities have been of a questionable nature. It is highly probable that surface water runoff and leachate from the landfill have contaminated the borrow pit. In addition, contamination from known sources which are directly linked either by surface water or groundwater pathways is also likely to be a source of contamination at the pit. Such sites include Petro Processors (and NPL Site), Schuylkill Metals, Rollins Environmental Services, Reynolds Metals, Deltech Corporation, Paxon Polymer, US Steel Corporation, Union Tank Car Company, Exxon Maryland Tank Farm, Exxon Resin Finishing Plant, Devil's Swamp, Devil's Swamp Lake, Devil's Swamp - Ewell Property, and other industrial sites along Bayou Baton Rouge, Scenic Highway and in the general area. Because of the tremendous amount of industrial contamination adjacent to the disposal site and beyond, as well as the probability of contamination which has not yet been documented, it is rather likely that the pit itself has become contaminated. If contamination is found at this disposal site, either it would have to be remediated or any activities conducted there would have to follow HTRW protocols. In addition, extensive sampling and testing of all disposed material would be recommended. Remediation in this case would be difficult to achieve because of the vast number of sources. A more practical solution may be using an alternative disposal area. Suggested alternatives include the new Parish Landfill, located approximately five miles

north of this location, and private lands where owners have expressed an interest in obtaining the material. Further assessment will be required for any alternative locations.

#### 6.4 Cost Estimates

Listed below are cost estimates for Phase II sampling and analysis for initial screening only. More detailed estimates are shown in Attachments A and B. Should any of the results indicate the presence of contamination, further testing and analysis will be required to determine the type and extent of the contamination.

TABLE 21  
PHASE II SCREENING COST ESTIMATE

---

##### BAYOU FOUNTAIN

Surface water and sediment screening	\$ 25,100
Soil gas and soil screening	82,000
SUBTOTAL	<hr/> 107,100

##### WARDS CREEK

Surface water and sediment screening	51,200
Soil gas and soil screening	76,000
SUBTOTAL	<hr/> 127,200

##### JONES CREEK

Surface water and sediment screening	68,900
Soil gas and soil screening	62,000
SUBTOTAL	<hr/> 130,900

##### BEAVER BAYOU

Surface water and sediment screening	19,900
Soil gas and soil screening	63,000
SUBTOTAL	<hr/> 82,900

TABLE 21 (CONTINUED)  
PHASE II SCREENING COST ESTIMATE

**BLACKWATER BAYOU**

Surface water and sediment screening	11,900
Soil gas and soil screening	0
SUBTOTAL	<u>11,900</u>

**PARISH LANDFILL DISPOSAL AREA**

Surface water and sediment screening	18,500
Soil gas and soil screening	85,000
SUBTOTAL	<u>103,500</u>

**MISSISSIPPI RIVER BORROW PITS DISPOSAL AREA**

Surface water and sediment screening	1,100
Soil gas and soil screening	0
SUBTOTAL	<u>1,100</u>

<b>TOTAL</b>	<b>\$ 564,600</b>
--------------	-------------------

## 7.0 LIMITATIONS

An initial assessment does not guarantee the non-existence of HTRW-within or affecting the project area. The analysis, conclusions and recommendations in this report are based solely on information obtained from the record searches and visual site survey. This report does not constitute a guarantee or certificate of the non-existence of HTRW contamination at any location. Should additional information become available in the future, this report may be modified to reflect the information.

## REFERENCES

40 CFR 261.20-24 and 40 CFR 261.30-35

Autin, Whitney J. and McCulloh Richard P., 1991, "Geologic and Derivative Engineering Geology Hazard Maps of East Baton Rouge Parish, Louisiana", Louisiana Geological Survey open file series no. 91-01 for Parish of East Baton Rouge, Department of Public Works.

Baton Rouge Fire Department Hazardous Material Division, review of hazardous material spill logs from 1984 to May 7, 1993, conducted May 3-7, 1993.

Dance, Ray E. et. al., 1968, "Soil Survey of East Baton Rouge Parish, Louisiana", United States Department of Agriculture, Soil Conservation Service in cooperation with Louisiana Agricultural Experiment Station.

778

East Baton Rouge Parish, personnel interviews, January 25 and April 6, 1993.

LDEQ, State of Louisiana Water Quality Management Plan, Water Quality Inventory 1990, Volume 5.

LDEQ, Office of Solid and Hazardous Waste, Solid Waste Division, interviews and landfill information, May 12, 1993.

LDEQ, Office of Solid and Hazardous Waste, Hazardous Waste Division, ARIM Section Technical Services, RCRIS listing, February 17, 1993.

LDEQ, Office of Solid and Hazardous Waste, Hazardous Waste Division, ARIM Section Technical Services, RCRIS fileroom record search, March 30 - April 2, 1993.

LDEQ, Office of Solid and Hazardous Waste, Hazardous Waste Division, Emergency Response Section, Interviews and file search of Spill Log and Citizen Complaint Log, January 26 and February 18, 1993.

LDEQ, Office of Solid and Hazardous Waste, Hazardous Waste Division, Underground Storage Tank Division, Active UST listing, March 31, 1993.

LDEQ, Office of Solid and Hazardous Waste, Hazardous Waste Division, Underground Storage Tank Division, UST file search, April 1-2, and April 13, 1993.

LDEQ, Office of Legal Affairs and Enforcement, Inactive and Abandoned Sites Division, Interviews and file search, January 26-27, February 16-17, and March 30, 1993.

LDEQ, Office of Legal Affairs and Enforcement, Inactive and Abandoned Sites Division, Louisiana Site Remediation Information System (LARIS), January 26, 1993.

LDEQ, Office of Air Quality and Radiation Protection, Air Quality Compliance Division, Enforcement Section, Compliance Data System (CDS) permitted sites, March 23, 1993.

LDEQ, Office of Air Quality and Radiation Protection, Air Quality Compliance Division, Enforcement Section, Compliance Data System (CDS) enforcement action since 1989, March 23, 1993.

LDEQ, Office of Air Quality and Radiation Protection, Air Quality Regulatory Division, Permits Section, Toxic Emission Data Inventory (TEDI) database search, April 22, 1993.

LDEQ, Office of Air Quality and Radiation Protection, Radiation Protection Division, Inspection and Enforcement Section, Naturally Occurring Radioactive Material (NORM) database, March 24, 1993.

LDEQ, Office of Water Resources, Ground Water Protection Division, Ground Water Assessment/Remediation Site List file search, March 31, 1993.

Louisiana State Police hazardous material spill logs from 1988 to 1992, April 30, 1993.

Meyer, R. R. and Rollo, J. R., 1965, "Salt-Water Encroachment Baton Rouge Area, Louisiana", Louisiana Department of Conservation Geological Survey and Department of Public Works in cooperation with the United States Geological Survey, Water Resources Pamphlet No. 17.

Morgan, C. O. and Winner, M. D., Jr., 1964, "Salt-Water Encroachment in Aquifers of the Baton Rouge Area - Preliminary Report and Proposal", Louisiana Department of Public Works in cooperation with the United States Geological Survey.

Schineldecker, Chris L., Handbook of Environmental Contaminants, Lewis Publishers, Inc., 1992.

Smith, Charles G., Jr., 1969, "Geohydrology of the Shallow Aquifers of Baton Rouge, Louisiana", Louisiana Water Resources Research Institute Bulletin GT-4.

USACE, Draft Hazardous and Toxic Waste (HTW) Guidance for Civil Works Projects, July 25, 1990.

USACE, Draft Preliminary Assessment and Site Investigation Report - Napa River Environmental Study, prepared by Kleinfelder, Inc., July 16, 1992.

USACE, Engineering Regulation 1165-2-132, Water Resources Policies and Authorities - Hazardous, Toxic, and Radioactive Waste (HTRW) Guidance for Civil Works Projects, June 26 1992.

USEPA Region 6, RCRIS Inventory, February 7, 1992.

USEPA Region 6, Superfund Program CERCLIS Inventory, December 17, 1992.

USEPA Region 6, Superfund Fact Sheet-Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS), October 1990.

USEPA Region 6, Office of Emergency and Remedial Response, Identifying Superfund Sites-National Priorities List (NPL) and Hazard Ranking System (HRS), WH/FS-87-005R, Fall 1987.

USF&WS, Inactive and Abandoned Hazardous Waste Sites, March 1, 1992.

Wintz, William Z., Jr., Kazmann, Raphael G. and Smith, Charles G., Jr., 1970, "Subsidence and Ground-Water Offtake in the Baton Rouge Area", Louisiana Water Resources Research Institute Bulletin 6.



# INDEX

7060	BRFD . . . . .	210, 215
709875	BRFD . . . . .	205, 215
709883	BRFD . . . . .	205, 215
904801	BRFD . . . . .	192, 214
908382	BRFD . . . . .	193
Ballard Motor Works	LDEQ/Citizen Complaints . . . . .	73
Ballard Motorworks	LDEQ/Citizen Complaints . . . . .	82
Ballard's Motorworks	LDEQ/Citizen Complaints . . . . .	75
Ballards Motorworks	Sites of Concern . . . . .	267
Baton Rouge Engineering Depot	Sites of Concern . . . . .	270
	Visual Site Survey . . . . .	228
Baton Rouge Fairgrounds	CERCLIS . . . . .	11, 13
	EPA/CERCLIS . . . . .	10
	Interviews . . . . .	162
	LDEQ/Inactive and Abandoned Sites . . . . .	17
	LDEQ/LARIS . . . . .	23, 25, 26
	Sensitivity Analysis . . . . .	283
	Sites of Concern . . . . .	263
Bayou Baton Rouge	CERCLIS . . . . .	10
	LDEQ/LARIS . . . . .	18, 26
	Sensitivity Analysis . . . . .	284
	Sites of Concern . . . . .	272
Bayou Fountain along Burbank Drive	Visual Site Survey . . . . .	231
Bayou Fountain at Siegen Lane	Visual Site Survey . . . . .	231
Beaver Bayou at Frenchtown Road	Visual Site Survey . . . . .	227
Beaver Bayou at Greenwell Springs Road	Visual Site Survey . . . . .	227
Bill Moore's Exxon 5-3564	LDEQ/RCRIS . . . . .	96
	LDEQ/USTs . . . . .	114
Bill Moores Exxon 5-3564	LDEQ/USTs . . . . .	126

Sites of Concern . . . . .	264
BRFD # 7060 (no name)	
Sites of Concern . . . . .	267
BRFD # 709875&709883	
Sites of Concern . . . . .	263
BRFD # 904801 (no name)	
Sites of Concern . . . . .	267
BRFD # 908382 (no name)	
Sites of Concern . . . . .	267
BRFD #908382	
BRFD . . . . .	214
Broadmoor Exxon	
BRFD/Haz-Mat . . . . .	187
LDEQ/RCRIS . . . . .	95
LDEQ/USTs . . . . .	115, 127
Broadmoor Exxon 5-3654	
Sites of Concern . . . . .	268
C.M. Penn and Sons, Inc.	
Sensitivity Analysis . . . . .	284
C.R. Kirby Contractors	
BRFD . . . . .	214
BRFD/Haz-Mat . . . . .	168
Sites of Concern . . . . .	268
Central Exxon 52176	
LDEQ/RCRIS . . . . .	92
LDEQ/USTs . . . . .	114, 126
Central Exxon Service Cen 52176	
Sites of Concern . . . . .	272
Chevron #159686	
Sites of Concern . . . . .	272
Chevron #160242	
LDEQ/USTs . . . . .	121
Chevron at 7931 One Calais	
BRFD . . . . .	179, 214
LDEQ/Citizen Complaints . . . . .	81
LDEQ/UST . . . . .	124
Chevron at Essen and One Calais	
BRFD . . . . .	179
Chevron Station	
Sites of Concern . . . . .	264
Chevron Station #10660242	
Sites of Concern . . . . .	268
Chevron Station #160242	
LDEQ/USTs . . . . .	130
Chevron USA Inc #159686	
LDEQ/RCRIS . . . . .	95
LDEQ/USTs . . . . .	116, 128
Chevron USA Inc #160242	
LDEQ/RCRIS . . . . .	93
Circle K #4737	
LDEQ/Emergency Response . . . . .	32
LDEQ/UST . . . . .	118, 128
Sites of Concern . . . . .	268
CM Penn & Sons, Inc	

LDEQ/Emergency Response . . . . .	31
LDEQ/RCRIS . . . . .	95, 106
CM Penn and Sons Inc	
Sites of Concern . . . . .	271
CM Penn and Sons, Inc	
Visual Site Survey . . . . .	227
Daniell Battery	
LDEQ/CDS . . . . .	141, 150
LDEQ/Citizen Complaints . . . . .	62, 63, 73, 81
LDEQ/RCRIS . . . . .	100, 111
LDEQ/UST . . . . .	120, 121
Sensitivity Analysis . . . . .	283
Sites of Concern . . . . .	268
Deltech (American Hoechst)	
LDEQ/Ground Water . . . . .	135
LDEQ/Water Quality . . . . .	136
Deltech Corporation	
BRFD . . . . .	208
CERCLIS . . . . .	10
LDEQ/CDS . . . . .	141, 150
LDEQ/LARIS . . . . .	17, 25
Sensitivity Analysis . . . . .	284
Sites of Concern . . . . .	273
Devil's Swamp	
BRFD . . . . .	213
Sensitivity Analysis . . . . .	284
Sites of Concern . . . . .	273
Devil's Swamp - Ewell Property	
LDEQ/LARIS . . . . .	20, 26
Sensitivity Analysis . . . . .	284
Sites of Concern . . . . .	273
Devil's Swamp Lake	
CERCLIS . . . . .	11
LDEQ/LARIS . . . . .	19
LDEQ/Publications . . . . .	14
Sensitivity Analysis . . . . .	284
Sites of Concern . . . . .	273
Devil's Swamp Landfill	
LDEQ/CERCLIS . . . . .	12
Sensitivity Analysis . . . . .	284
Sites of Concern . . . . .	274
Devil's Swamp Sanitary Landfill	
BRFD . . . . .	209
CERCLIS . . . . .	11
Interviews . . . . .	162
LDEQ/LARIS . . . . .	20
DOTD District 61	
LDEQ/UST . . . . .	115, 131
Drusilla One Hour Martinizing	
LDEQ/RCRIS . . . . .	94, 106
Sites of Concern . . . . .	264
Ewell Property-Devil's Swamp	
CERCLIS . . . . .	11
Exxon - Maryland Tank Farm	

Sites of Concern . . . . .	274
Exxon AT 9196 South Choctaw Dr	
LDEQ/UST . . . . .	126
Exxon at 13315 Old Hammond	
LDEQ/RCRIS . . . . .	100
LDEQ/UST . . . . .	113
Exxon at 13315 Old Hammond Hwy	
LDEQ/Emergency Response . . . . .	39, 58
LDEQ/RCRIS . . . . .	97
LDEQ/UST . . . . .	124
Exxon at 4555 Essen Lane	
BRFD . . . . .	189, 214
LDEQ/RCRIS . . . . .	94
LDEQ/UST . . . . .	114, 125
Visual Site Survey . . . . .	233
Exxon at 7725 Airline Hwy	
LDEQ/RCRIS . . . . .	96
LDEQ/UST . . . . .	113, 125
Exxon at 8885 Highland	
8885 Highland . . . . .	176
LDEQ/Emergency Response . . . . .	35, 43
LDEQ/UST . . . . .	125
State Police . . . . .	165, 166
Exxon at 8885 Highland Rd	
BRFD . . . . .	214, 215
LDEQ/RCRIS . . . . .	99
LDEQ/UST . . . . .	114
Exxon AT 9196 S Choctaw Dr	
LDEQ/UST . . . . .	115
Exxon at 9196 South Choctaw Dr	
LDEQ/RCRIS . . . . .	101
Exxon Chemical Baton Rouge Resin Finishing	
LDEQ/Groundwater . . . . .	136
Exxon Co USA Maryland Tank Farm	
CERCLIS . . . . .	11, 21
Exxon Company USA	
Sites of Concern . . . . .	269
Exxon Company USA Maryland Tank Farm	
LDEQ/Emergency Response . . . . .	35, 42, 43, 48
Exxon Maryland Tank Farm	
LDEQ/Emergency Response . . . . .	59
Sensitivity Analysis . . . . .	284
Exxon Resin Finishing	
LDEQ/CDS . . . . .	142
LDEQ/Emergency Response . . . . .	37, 39, 59
LDEQ/Ground Water . . . . .	135
Exxon Resin Finishing Plant	
Sensitivity Analysis . . . . .	284
Sites of Concern . . . . .	274
Exxon Service Station	
Sites of Concern . . . . .	264
Exxon Station #8050	
Sites of Concern . . . . .	262
Exxon Station at 7725 Airline Hwy	

BRFD	203
LDEQ/Emergency Response	34
Exxon Station at 8885 Highland	
BRFD	194, 199
Exxon Store #5-0550	
Sites of Concern	269
Gulf at 10097 Florida	
LDEQ/UST	116, 127
Gulf at 10097 Florida (Chevron 109050)	
LDEQ/RCRIS	94
Gulf at 7510 Florida	
LDEQ/UST	116, 128
Gulf at 7808 Bluebonnet	
LDEQ/UST	116, 127
Gulf at 7808 Bluebonnet (Chevron 109045)	
LDEQ/RCRIS	92
Gulf Oil Corp (Chevron 109045)	
Sites of Concern	264
Gulf Oil Corp (Chevron 109050)	
Sites of Concern	269
Highway Pipeline Trucking	
— LDEEQ/Emergency Response	46
LDEQ/Emergency Response	58
Sites of Concern	272
Hydro-Kem Services Inc	
LDEQ/RCRIS	93, 104
Hydro-Kem Services Inc.	
Sites of Concern	265
Ill Central vs Ashland Transp	
Sites of Concern	269
Ill Central vs Ashland Transportation	
BRFD	198, 214
State Police	166, 167
Jones Creek at Airway	
Visual Site Survey	229
Jones Creek at Old Hammond Highway	
Visual Site Survey	230
Jones Creek at Sherwood Forest Boulevard	
Visual Site Survey	230
Jones Creek between Sharp Road and Florida Boulevard	
Visual Site Survey	229
Keans Cleaners	
LDEQ/RCRIS	91, 103
Sensitivity Analysis	282
Sites of Concern	262
Kemron Environmental Services	
LDEQ/RCRIS	110
Sites of Concern	262
Kemron Environmental Svcs	
LDEQ/RCRIS	99
LA DOTD Dist 61 HQ	
LDEQ/RCRIS	98, 109
Sites of Concern	269
Monterray Exxon #50628	

Sites of Concern . . . . .	269
North Branch Wards Creek along Drusilla Lane	
Visual Site Survey . . . . .	233
North Branch Wards Creek at Jefferson Highway	
Visual Site Survey . . . . .	233
Old Channel Wards Creek at Highland Road	
Visual Site Survey . . . . .	233
P.I.E. Transportation Co	
BRFD . . . . .	208, 215
LDEQ/Emergency Response . . . . .	49
Parish Landfill Disposal Area	
Sensitivity Analysis . . . . .	284
Paxon & Polymer	
LDEQ/Emergency Response . . . . .	49
LDEQ/Ground Water . . . . .	135
Paxon and Polymer	
Sites of Concern . . . . .	275
Paxon Polymer	
CERCLIS . . . . .	10
LDEQ/Emergency Response . . . . .	30, 45, 63
LDEQ/Ground Water . . . . .	137
Sensitivity Analysis . . . . .	284
Paxon Polymer Comp	
LDEQ/CDS . . . . .	147, 148
Paxon Polymer Company	
BRFD . . . . .	194, 195, 197
LDEQ/Emergency Response . . . . .	59
LDEQ/TEDI . . . . .	156
Paxon Polymer Company (Allied Chemical)	
LDEQ/LARIS . . . . .	16
Petro Processors	
LDEQ/Emergency Response . . . . .	54
Sensitivity Analysis . . . . .	284
Sites of Concern . . . . .	275
Petro Processors of Louisiana	
LDEQ/Emergency Response . . . . .	49
LDEQ/LARIS . . . . .	26
Petro-Processors of Louisiana, Inc	
CERCLIS . . . . .	11, 23
PIE Transportation CO	
LDEQ/Emergency Response . . . . .	59
Sites of Concern . . . . .	265
Prince Rubber & Plastics	
BRFD . . . . .	209, 215
State Police . . . . .	164, 167
Prince Rubber and Plastics	
Sensitivity Analysis . . . . .	284
Sites of Concern . . . . .	270
Racetrac Service Station	
LDEQ/UST . . . . .	123, 130
Racetrac Service Station #373	
Sites of Concern . . . . .	265
Reynolds Metal Co	
LDEQ/CDS . . . . .	148, 152



Reynolds Metals	
Sensitivity Analysis . . . . .	284
Sites of Concern . . . . .	275
Reynolds Metals Co	
LDEQ/TEDI . . . . .	156
Rollins Environmental Services	
BRFD . . . . .	190, 192
CERCLIS . . . . .	11
LDEQ/CDS . . . . .	148, 152
LDEQ/Emergency Response . . . . .	50, 53, 62-64, 66, 74, 77, 79
LDEQ/Ground Water . . . . .	135, 138
LDEQ/LARIS . . . . .	23
LDEQ/TEDI . . . . .	156
Sensitivity Analysis . . . . .	284
Sites of Concern . . . . .	275
Schuylkill Metals	
Sensitivity Analysis . . . . .	284
Sites of Concern . . . . .	276
Schuylkill Metals Corporation	
BRFD . . . . .	172
CERCLIS . . . . .	11
LDEQ/CDS . . . . .	148, 152
LDEQ/Citizen Complaints . . . . .	67, 69
LDEQ/Emergency Response . . . . .	50
LDEQ/Ground Water . . . . .	135, 138
LDEQ/LARIS . . . . .	18, 23
LDEQ/RCRIS . . . . .	111
Speedway Unit #9059	
LDEQ/UST . . . . .	115, 127
Sites of Concern . . . . .	265
Star Enterprises (Texaco)	
Sites of Concern . . . . .	266
Star Enterprises at 1831 Staring Lane	
LDEQ/UST . . . . .	129
Star Enterprises Texaco at 1831 Staring Lane	
LDEQ/UST . . . . .	120
Texaco at 2205 Sherwood Forest	
BRFD . . . . .	169, 170
LDEQ/RCRIS . . . . .	91
LDEQ/UST . . . . .	120, 129
Texaco, 2205 Sherwood Forest	
Sites of Concern . . . . .	270
Union Tank Car Company	
CERCLIS . . . . .	11, 13
LDEQ/Citizen Complaints . . . . .	63
LDEQ/LARIS . . . . .	24, 26
LDEQ/TEDI . . . . .	149
Sensitivity Analysis . . . . .	284
Sites of Concern . . . . .	276
US Steel Corporation	
CERCLIS . . . . .	11, 13
LDEQ/LARIS . . . . .	24
Sensitivity Analysis . . . . .	284
Valley Park Landfill	

Sensitivity Analysis . . . . .	283
Valley Park School	
BRFD . . . . .	190
EPA/CERCLIS . . . . .	11
Interviews . . . . .	161
LDEQ/Inactive and Abandoned Sites . . . . .	25
LDEQ/LARIS . . . . .	26
LDEQ/Solid Waste . . . . .	27
Sites of Concern . . . . .	266
Visual Site Survey . . . . .	235
Visual Site Survey - Bayou Fountain along Burbank (Site #63)	
Sites of Concern . . . . .	263
Visual Site Survey - Beaver Bayou at Frenchtown Road (Site #2)	
Sites of Concern . . . . .	272
Visual Site Survey - Jones Creek at Airway (Site #14)	
Sites of Concern . . . . .	270
Visual Site Survey - Jones Creek at Old Hammond Highway (Site #	
Sites of Concern . . . . .	271
Visual Site Survey - Jones Creek at Sherwood Forest (Site #29)	
Sites of Concern . . . . .	271
Visual Site Survey - Jones Creek between Sharp and Florida (Sit	
Sites of Concern . . . . .	271
Visual Site Survey - NBWC along Drusilla (Site #49)	
Sites of Concern . . . . .	266
Visual Site Survey - NBWC at Jefferson (Site #49)	
Sites of Concern . . . . .	266
Visual Site Survey - Old Wards Creek at Highland Road (Site #42	
Sites of Concern . . . . .	266

**ATTACHMENT A**

**DETAILED COST ESTIMATES  
FOR SEDIMENT AND SURFACE WATER  
PHASE II SCREENING**

AMITE RIVER AND TRIBUTARIES  
FLOOD CONTROL PROJECT

EAST BATON ROUGE PARISH  
HAZARDOUS, TOXIC, AND RADIOACTIVE WASTE  
SEDIMENT AND SURFACE WATER  
PHASE II SCREENING

BAYOU FOUNTAIN

ED-HM  
TIME AND COST ESTIMATE  
15 SEPTEMBER 1994

ACTIVITY	MAN WEEKS	DURATION MAN MONTHS	COST
LAB ANALYSIS:	CONTRACT	3	\$ 9,800
Site Safety and Health Plan Preparation	0.4		
Chemical Data Acquisition Plan Preparation	1.4		
NORM Survey	0.4		
Sampling & Sample Delivery to Lab	0.6		
Report Writing	1.4		
Internal Review	<u>1.0</u>		
TOTAL TIME	5.2	4.5	
TOTAL LABOR COST (including overhead):			\$ 13,000
CONTINGENCY (10%):			\$ 2,300
TOTAL:			\$ 25,100

AMITE RIVER AND TRIBUTARIES  
FLOOD CONTROL PROJECT

EAST BATON ROUGE PARISH  
HAZARDOUS, TOXIC, AND RADIOACTIVE WASTE  
SEDIMENT AND SURFACE WATER  
PHASE II SCREENING

WARDS CREEK

ED-HM  
TIME AND COST ESTIMATE  
15 SEPTEMBER 1994

ACTIVITY	MAN WEEKS	DURATION MAN MONTHS	COST
LAB ANALYSIS:	CONTRACT	3	\$ 29,000
Site Safety and Health Plan Preparation	0.4		
Chemical Data Acquisition Plan Preparation	2.0		
NORM Survey	0.4		
Sampling & Sample Delivery to Lab	1.0		
Report Writing	2.0		
Internal Review	<u>1.0</u>		
TOTAL TIME	7.0	5.0	
TOTAL LABOR COST (including overhead):			\$ 17,500
CONTINGENCY (10%):			\$ 4,700
TOTAL:			\$ 51,200

AMITE RIVER AND TRIBUTARIES  
FLOOD CONTROL PROJECT

EAST BATON ROUGE PARISH  
HAZARDOUS, TOXIC, AND RADIOACTIVE WASTE  
SEDIMENT AND SURFACE WATER  
PHASE II SCREENING

JONES CREEK

ED-HM  
TIME AND COST ESTIMATE  
15 SEPTEMBER 1994

ACTIVITY	MAN WEEKS	DURATION MAN MONTHS	COST
LAB ANALYSIS:	CONTRACT	3	\$ 45,600
Site Safety and Health Plan Preparation	0.4		
Chemical Data Acquisition Plan Preparation	2.0		
Sampling & Sample Delivery to Lab	1.0		
Report Writing	2.4		
Internal Review	<u>1.0</u>		
TOTAL TIME	6.8	5.0	
TOTAL LABOR COST (including overhead):			\$ 17,000
CONTINGENCY (10%):			\$ 6,300
TOTAL:			\$ 68,900



AMITE RIVER AND TRIBUTARIES  
FLOOD CONTROL PROJECT

EAST BATON ROUGE PARISH  
HAZARDOUS, TOXIC, AND RADIOACTIVE WASTE  
SEDIMENT AND SURFACE WATER  
PHASE II SCREENING

BEAVER BAYOU

ED-HM  
TIME AND COST ESTIMATE  
15 SEPTEMBER 1994

ACTIVITY	MAN WEEKS	DURATION MAN MONTHS	COST
LAB ANALYSIS:	CONTRACT	3	\$ 8,600
Site Safety and Health Plan Preparation	0.2		
Chemical Data Acquisition Plan Preparation	1.0		
Sampling & Sample Delivery to Lab	0.6		
Report Writing	1.2		
Internal Review	<u>0.8</u>		
TOTAL TIME	3.8	4.25	
TOTAL LABOR COST (including overhead):			\$ 9,500
CONTINGENCY (10%):			\$ 1,800
TOTAL:			\$ 19,900

AMITE RIVER AND TRIBUTARIES  
FLOOD CONTROL PROJECT

EAST BATON ROUGE PARISH  
HAZARDOUS, TOXIC, AND RADIOACTIVE WASTE  
SEDIMENT AND SURFACE WATER  
PHASE II SCREENING

BLACKWATER BAYOU

ED-HM  
TIME AND COST ESTIMATE  
15 SEPTEMBER 1994

ACTIVITY	MAN WEEKS	DURATION MAN MONTHS	COST
LAB ANALYSIS:	CONTRACT	3	\$ 2,000
Site Safety and Health Plan Preparation	0.2		
Chemical Data Acquisition Plan Preparation	1.0		
Sampling & Sample Delivery to Lab	0.5		
Report Writing	1.0		
Internal Review	<u>0.8</u>		
TOTAL TIME	3.5	4.25	
TOTAL LABOR COST (including overhead):			\$ 8,800
CONTINGENCY (10%):			\$ 1,100
TOTAL:			\$ 11,900

AMITE RIVER AND TRIBUTARIES  
FLOOD CONTROL PROJECT

EAST BATON ROUGE PARISH  
HAZARDOUS, TOXIC, AND RADIOACTIVE WASTE  
SEDIMENT AND SURFACE WATER  
PHASE II SCREENING

PARISH LANDFILL DISPOSAL AREA

ED-HM  
- TIME AND COST ESTIMATE  
15 SEPTEMBER 1994

ACTIVITY	MAN WEEKS	DURATION MAN MONTHS	COST
LAB ANALYSIS:	CONTRACT	3	\$ 8,000
Site Safety and Health Plan Preparation	0.2		
Chemical Data Acquisition Plan Preparation	1.0		
Sampling & Sample Delivery to Lab	0.5		
Report Writing	1.0		
Internal Review	<u>0.8</u>		
TOTAL TIME	3.5	4.25	
TOTAL LABOR COST (including overhead):			\$ 8,800
CONTINGENCY (10%):			\$ 1,700
TOTAL:			\$ 18,500

AMITE RIVER AND TRIBUTARIES  
FLOOD CONTROL PROJECT

EAST BATON ROUGE PARISH  
HAZARDOUS, TOXIC, AND RADIOACTIVE WASTE  
SEDIMENT AND SURFACE WATER  
PHASE II SCREENING

MISSISSIPPI RIVER BORROW PITS DISPOSAL AREA

ED-HM  
TIME AND COST ESTIMATE  
15 SEPTEMBER 1994

ACTIVITY	MAN WEEKS	DURATION MAN MONTHS	COST
NORM Testing	<u>0.4</u>		
TOTAL TIME	0.4	1	
TOTAL LABOR COST (including overhead):			\$ 1,000
CONTINGENCY (10%):			\$ 100
<b>TOTAL:</b>			<b>\$ 1,100</b>

**ATTACHMENT B**  
**DETAILED COST ESTIMATES**  
**FOR SOIL GAS AND SOIL**  
**PHASE II SCREENING**

PROJECT NAME: EAST BATON ROUGE FLOOD PROJECT  
 PROJECT SITE: Bayou Fountain - Sampling Site B & Site A (wells/pits/pipeline)  
 PROJECT COST ESTIMATE: RECONNAISSANCE SURVEY COST

DESCRIPTION	PERSONS	QUANTITY	UNIT	UNIT PRICE	TOTAL	
<b>LABOR</b>						
Review Phase I Report	2	1	day	\$273	\$546	
Site Visit	2	2	day	273	1092	
Prep CDAP	2	7	day	273	3822	
Prep SSHP	1	10	day	273	2730	
Prep CAP	1	5	day	273	1365	
Sampling (Geol/Engr/Che/Tech: soil gas & soil)	3	11	day	273	9009	
Chem'l Data Mgt. (Tab, QA/QC)	1	6	day	273	1638	
Prep Report on F & R	2	10	day	273	5460	
Meetings	2	3	day	273	1638	
Administration/Coordination (FD)	1	5	day	257	1285	
Soil gas contract adm. (FG)	1	2	day	273	546	
					29131	Sub-Total Labor
<b>TESTING (LABORATORY ANALYSIS)#</b>						
1. Soil Gas						
TD/MS		19 sg*	test	100	1900	
TD/MS/GC		2 sg	test	200	400	
2. Soil						
TCL & TAL		6 s	test**	1800	10800	
3. Contingency tests						
Radium 226, Radium 228		12 s	test**	200	2400	
TCLP		4 s	test**	1500	6000	
					21500	Sub-Total Testing
<b>TRAVEL</b>						
1. Per Diem (site visit)	2	2	day	84	336	
2. Per Diem (sampling: Geol/Engr/Chem/Tech)	3	13	day	84	3276	
3. Automobile	1	15	day	30	450	
					4062	Sub-Total Travel
<b>MISCELLANEOUS</b>						
1. Photo documentation, slides prep, etc.			lump sum		1000	
2. Supplies/Equipment rental (sample containers, decon, field meters, etc.)			lump sum		1000	
					2000	Sub-Total Misc.
					56693	TOTAL
					25344	Ovrehead @@
					82037	GRAND TOTAL
<b>TOTAL</b>			SAY,		82000	

**NOTES:**

\*sg - soil gas, s - soil; include QA/AC samples; passive soil gas analysis will be contracted.  
 # USACE-NOD is in the process of securing a Contract Laboratory, testing cost may change  
 \*\* Cost with USACE-NOD using USACE-WES as Contract Lab; TCL, TAL = 129 EPA priority organic & metal pollutants;  
 TD/MS/GC = Thermal Desorption, Mass Spectrometry, Gas Chromatography;  
 @@ Overhead = 0.87 X Effective Rate



PROJECT NAME: EAST BATON ROUGE FLOOD PROJECT  
 PROJECT SITE: Ward Creek - Sampling Site T & Site E, G (wells/pits)  
 PROJECT COST ESTIMATE: RECONNAISSANCE SURVEY COST

DESCRIPTION	PERSONS	QUANTITY	UNIT	UNIT PRICE	TOTAL	
<b>LABOR</b>						
Review Phase I Report	2	1	day	\$273	\$546	
Site Visit	2	2	day	273	1092	
Prep CDAP	2	7	day	273	3822	
Prep SSHP	1	5	day	273	1365	
Prep CAP	1	5	day	273	1365	
Sampling (Geol/Engr/Che/Tech: soil gas & soil)	3	10	day	273	8190	
Chem'l Data Mgt. (Tab, QA/QC)	1	6	day	273	1638	
Prep Report on F & R	2	10	day	273	5460	
Meetings	2	3	day	273	1638	
Administration/Coordination (FD)	1	5	day	257	1285	
Soil gas contract adm. (FG)	1	2	day	273	546	
					26947	Sub-Total Labor
<b>TESTING (LABORATORY ANALYSIS)#</b>						
1. Soil Gas						
TD/MS		20 sg*	test	100	2000	
TD/MS/GC		4 sg	test	200	800	
2. Soil						
TCL & TAL		5 s	test**	1800	9000	
3. Contingency tests						
Radium 226, Radium 228		9 s	test**	200	1800	
TCLP		4 s	test**	1500	6000	
					19600	Sub-Total Testing
<b>TRAVEL</b>						
1. Per Diem (site visit)	2	2	day	84	336	
2. Per Diem (sampling: Geol/Engr/Chem/Tech)	3	10	day	84	2520	
3. Automobile	1	12	day	30	360	
					3216	Sub-Total Travel
<b>MISCELLANEOUS</b>						
1. Photo documentation, slides prep, etc.			lump sum		1000	
2. Supplies/Equipment rental (sample containers, decon, field meters, etc.)			lump sum		1000	
					2000	Sub-Total Misc.
					51763	TOTAL
					23444	Ovrehead @@
					75207	GRAND TOTAL
TOTAL			SAY,		76000	

**NOTES:**

\*sg - soil gas, s - soil; include QA/AC samples; passive soil gas analysis will be contracted.  
 # USACE-NOD is in the process of securing a Contract Laboratory, testing cost may change  
 \*\* Cost with USACE-NOD using USACE-WES as Contract Lab; TCL, TAL = 129 EPA priority organic & metal pollutants;  
 TD/MS/GC = Thermal Desorption, Mass Spectrometry, Gas Chromatography;  
 @@ Overhead = 0.87 X Effective Rate

PROJECT NAME: EAST BATON ROUGE FLOOD PROJECT

PROJECT SITE: Jones Creek - Near Sampling Site J & Site M

PROJECT COST ESTIMATE: RECONNAISSANCE SURVEY COST

DESCRIPTION	PERSONS	QUANTITY	UNIT	UNIT PRICE	TOTAL	
<b>LABOR</b>						
Review Phase I Report	2	1	day	\$273	\$546	
Site Visit	2	2	day	273	1092	
Prep CDAP	2	5	day	273	2730	
Prep SSHP	1	3	day	273	819	
Prep CAP	1	5	day	273	1365	
Sampling (Geol/Engr/Che/Tech: soil gas & soil)	3	5	day	273	4095	
Chem'l Data Mgt. (Tab, QA/QC)	1	4	day	273	1092	
Prep Report on F & R	2	10	day	273	5460	
Meetings	2	3	day	273	1638	
Administration/Coordination (FD)	1	5	day	257	1285	
Soil gas contract adm. (FG)	1	2	day	273	546	
					20668	Sub-Total Labor
<b>TESTING (LABORATORY ANALYSIS)#</b>						
1. Soil Gas						
TD/MS		11 sg*	test	100	1100	
TD/MS/GC		4 sg	test	200	800	
2. Soil						
TCL & TAL		6 s	test**	1800	10800	
3. Contingency tests						
TCLP		4 s	test**	1500	6000	
					18700	Sub-Total Testing
<b>TRAVEL</b>						
1. Per Diem (site visit)	2	2	day	84	336	
2. Per Diem (sampling: Geol/Engr/Chem/Tech)	3	5	day	84	1260	
3. Automobile	1	7	day	30	210	
					1806	Sub-Total Travel
<b>MISCELLANEOUS</b>						
1. Photo documentation, slides prep, etc.			lump sum		1000	
2. Supplies/Equipment rental (sample containers, decon, field meters, etc.)			lump sum		1000	
					2000	Sub-Total Misc.
					43174	TOTAL
					17981	Overhead @@
					61155	GRAND TOTAL
<b>TOTAL</b>			SAY,		62000	

**NOTES:**

\*sg - soil gas, s - soil; include QA/AC samples; passive soil gas analysis will be contracted.

# USACE-NOD is in the process of securing a Contract Laboratory, testing cost may change

\*\* Cost with USACE-NOD using USACE-WES as Contract Lab; TCL, TAL = 129 EPA priority organic & metal pollutants;

TD/MS/GC = Thermal Desorption, Mass Spectrometry, Gas Chromatography;

@@ Overhead = 0.87 X Effective Rate

PROJECT NAME: EAST BATON ROUGE FLOOD PROJECT

PROJECT SITE: Beaver Bayou - Sampling Site R

PROJECT COST ESTIMATE: RECONNAISSANCE SURVEY COST

DESCRIPTION	PERSONS	QUANTITY	UNIT	UNIT PRICE	TOTAL	
<b>LABOR</b>						
Review Phase I Report	2	1	day	\$273	\$546	
Site Visit	2	1	day	273	546	
Prep CDAP	2	5	day	273	2730	
Prep SSHP	1	3	day	273	819	
Prep CAP	1	5	day	273	1365	
Sampling (Geol/Engr/Che/Tech: soil gas & soil)	3	7	day	273	5733	
Chem'l Data Mgt. (Tab, QA/QC)	1	4	day	273	1092	
Prep Report on F & R	2	10	day	273	5460	
Meetings	2	3	day	273	1638	
Administration/Coordination (FD)	1	5	day	257	1285	
Soil gas contract adm. (FG)	1	2	day	273	546	
					21760	Sub-Total Labor
<b>TESTING (LABORATORY ANALYSIS)#</b>						
1. Soil Gas						
TD/MS		36 sg*	test	100	3600	
TD/MS/GC		4 sg	test	200	800	
2. Soil						
TCL & TAL		6 s	test**	1800	10800	
3. Contingency tests						
TCLP		2 s	test**	1500	3000	
					18200	Sub-Total Testing
<b>TRAVEL</b>						
1. Per Diem (site visit)	2	1	day	84	168	
2. Per Diem (sampling: Geol/Engr/Chem/Tech)	3	7	day	84	1764	
3. Automobile	1	8	day	30	240	
					2172	Sub-Total Travel
<b>MISCELLANEOUS</b>						
1. Photo documentation, slides prep, etc.			lump sum		1000	
2. Supplies/Equipment rental (sample containers, decon, field meters, etc.)			lump sum		1000	
					2000	Sub-Total Misc.
					44132	TOTAL
					18931	Ovrehead @@
					63063	GRAND TOTAL
<b>TOTAL</b>				SAY,	63000	

**NOTES:**

\*sg - soil gas, s - soil; include QA/AC samples; passive soil gas analysis will be contracted.

# USACE-NOD is in the process of securing a Contract Laboratory, testing cost may change

\*\* Cost with USACE-NOD using USACE-WES as Contract Lab; TCL, TAL = 129 EPA priority organic & metal pollutants;

TD/MS/GC = Thermal Desorption, Mass Spectrometry, Gas Chromatography;

@@ Overhead = 0.87 X Effective Rate

PROJECT NAME: EAST BATON ROUGE FLOOD PROJECT  
 PROJECT SITE: Disposal Pit - West of Hwy 61 at the Parish Landfill  
 PROJECT COST ESTIMATE: RECONNAISSANCE SURVEY COST

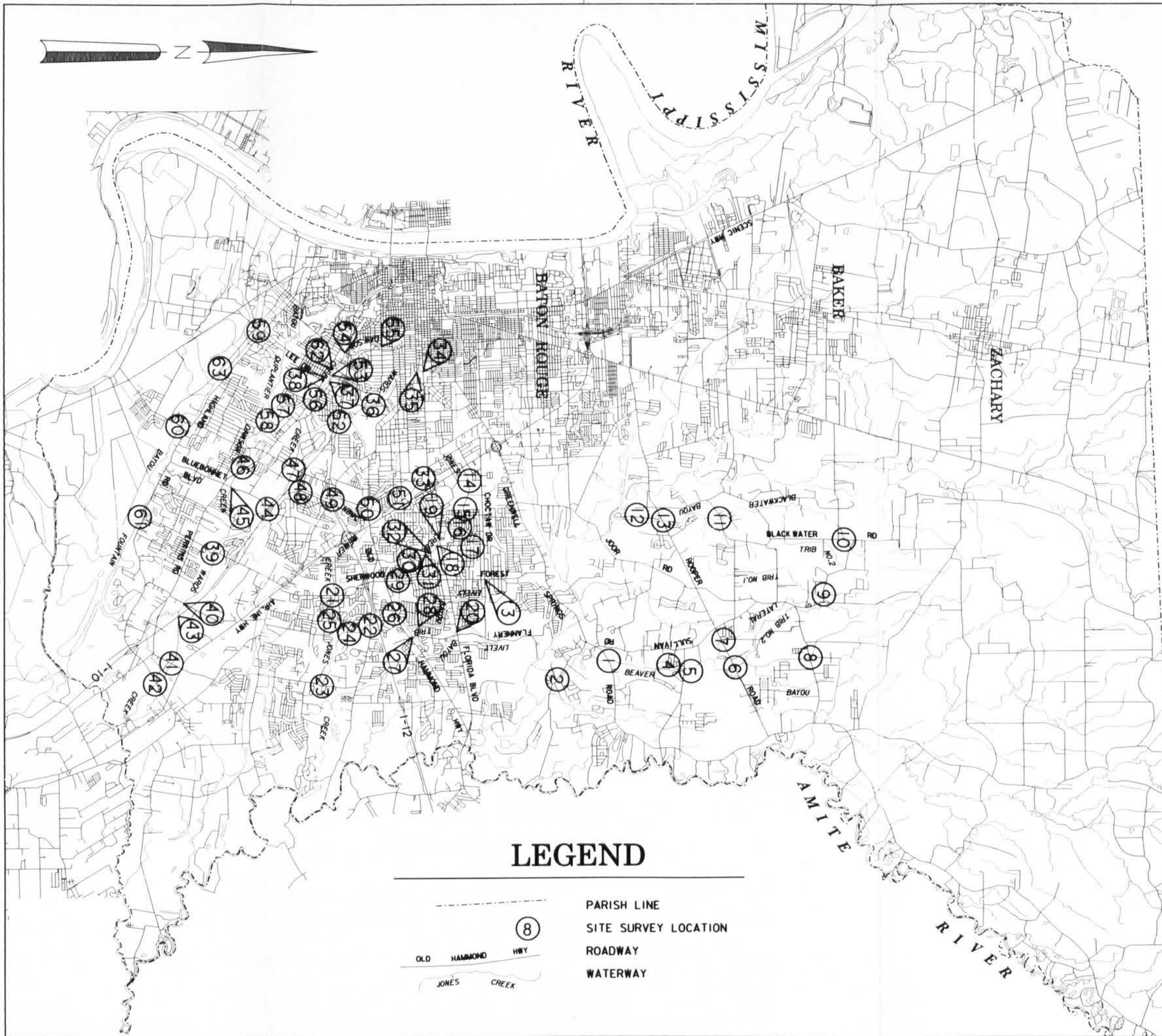
DESCRIPTION	PERSONS	QUANTITY	UNIT	UNIT PRICE	TOTAL	
<b>LABOR</b>						
Review Phase I Report	2	1	day	\$273	\$546	
Site Visit	2	1	day	273	546	
Prep CDAP	2	5	day	273	2730	
Prep SSHP	1	3	day	273	819	
Prep CAP	1	5	day	273	1365	
Sampling (Geol/Engr/Che/Tech: soil gas & soil)	3	7	day	273	5733	
Chem'l Data Mgt. (Tab, QA/QC)	1	4	day	273	1092	
Prep Report on F & R	2	10	day	273	5460	
Meetings	2	3	day	273	1638	
Administration/Coordination (FD)	1	5	day	257	1285	
Soil gas contract adm. (FG)	1	2	day	273	546	
					21760	Sub-Total Labor
<b>TESTING (LABORATORY ANALYSIS)#</b>						
1. Soil Gas						
TD/MS		50 sg*	test	100	5000	
TD/MS/GC		10 sg	test	200	2000	
2. Soil						
TCL & TAL		6 s	test**	1800	10800	
3. Contingency tests						
TCL & TAL (Bottom sediment/soil)		7 s	test**	1800	12600	
TCL & TAL (Pit Water)		6 w	test**	1600	9600	
					40000	Sub-Total Testing
<b>TRAVEL</b>						
1. Per Diem (site visit)	2	1	day	84	168	
2. Per Diem (sampling: Geol/Engr/Chem/Tech)	3	7	day	84	1764	
3. Automobile	1	8	day	30	240	
					2172	Sub-Total Travel
<b>MISCELLANEOUS</b>						
1. Photo documentation, slides prep, etc.			lump sum		1000	
2. Supplies/Equipment rental (sample containers, decon, field meters, etc.)			lump sum		1000	
					2000	Sub-Total Misc.
					65932	TOTAL
					18931	Ovrehead @@
					84863	GRAND TOTAL
<b>TOTAL</b>			SAY,		85000	

**NOTES:**

\*sg - soil gas, s - soil, w - water; include QA/AC samples; passive soil gas analysis will be contracted.  
 # USACE-NOD is in the process of securing a Contract Laboratory, testing cost may change  
 \*\* Cost with USACE-NOD using USACE-WES as Contract Lab; TCL, TAL = 129 EPA priority organic & metal pollutants;  
 TD/MS/GC = Thermal Desorption, Mass Spectrometry, Gas Chromatography;  
 @@ Overhead = 0.87 X Effective Rate







# LEGEND

- PARISH LINE
- SITE SURVEY LOCATION
- ROADWAY
- WATERWAY

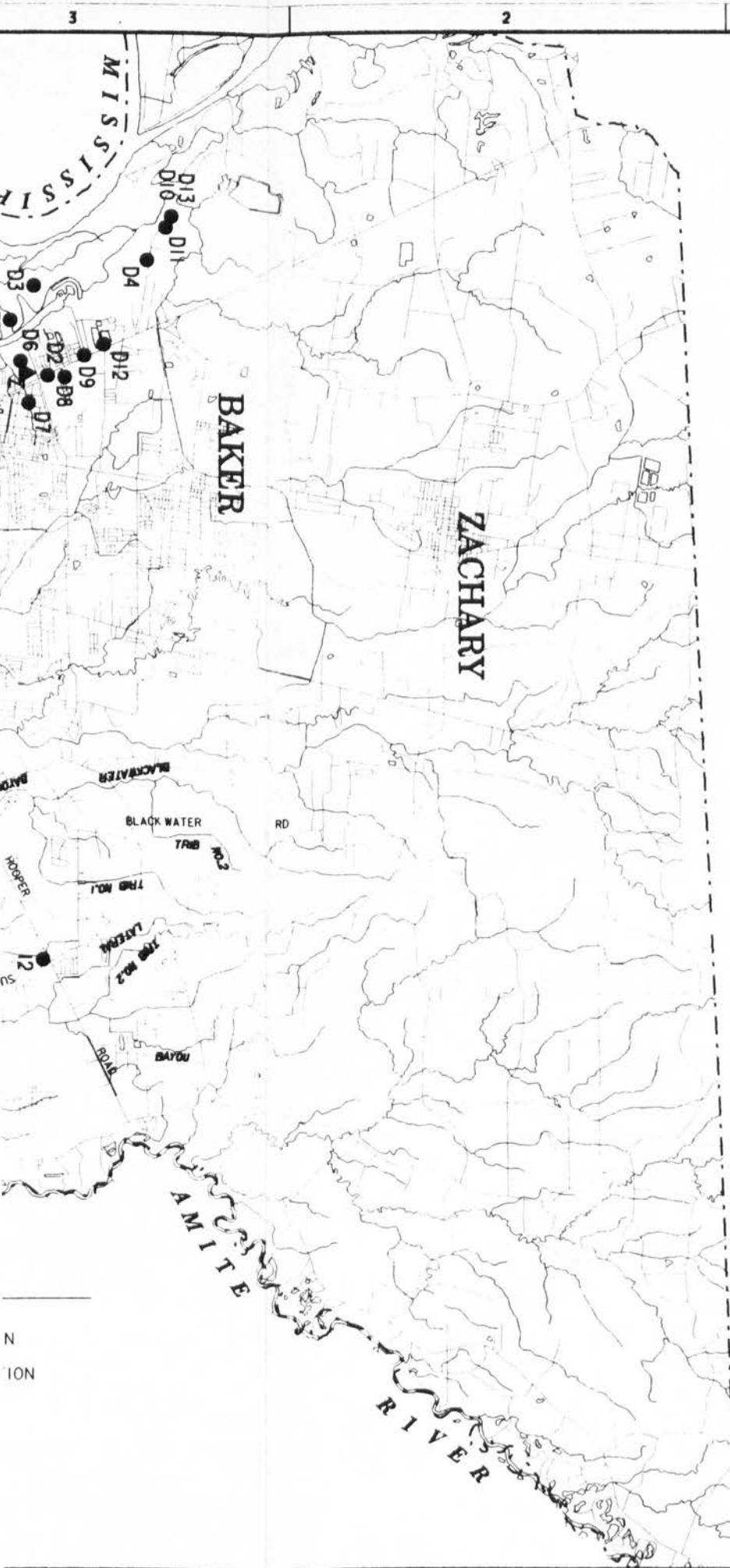
AMITE RIVER AND TRIBUTARIES  
FLOOD CONTROL FEASIBILITY STUDIES  
EAST BATON ROUGE PARISH

HTRW SITE SURVEY LOCATIONS

U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS  
CORPS OF ENGINEERS  
NEW ORLEANS, LOUISIANA

DESIGNED BY: DRAWN BY: CGP CHECKED BY: BJH	PLOT SCALE: 1" = 6000' PLOT DATE: SEPTEMBER 1984 FILE NO. H-4-40273	CADD FILE: EBRP01.DGN
--	---	-----------------------





# EAST BATON ROUGE PARISH

AMITE RIVER AND TRIBUTARIES FLOOD CONTROL FEASIBILITY STUDIES EAST BATON ROUGE PARISH <b>HTRW SIGNIFICANT SITES          AND SAMPLING LOCATIONS</b>		
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA		
DESIGNED BY: DRAWN BY: CGP CHECKED BY: B.J.H.	PLOT SCALE: AS SHOWN PLOT DATE: N/A DATE: 26 SEP 1994	CARD FILE: EBRPO2.DGN FILE NO.: H-4-40278

# **APPENDIX E**

## **SUPPORTING ENVIRONMENTAL DATA**

# EAST BATON ROUGE PARISH STUDY

## APPENDIX E

### SUPPORTING ENVIRONMENTAL DATA

#### TABLE OF CONTENTS

<u>Section</u>	<u>Item</u>	<u>Page</u>
1	Habitat Mitigation Analysis	E-1
2	Aesthetic Plan	E-2
3	Recreation Analysis	E-3
4	Endangered Species Coordination	E-4
5	404(b)(1) Evaluations	E-5
6	FFPA Eval. & Food Security Act	E-6
7	Herbicide Application	E-7
8	EIS Mailing List	E-8

**APPENDIX E**

**SECTION 1**

**HABITAT MITIGATION ANALYSIS**

## HABITAT MITIGATION AND INCREMENTAL ANALYSIS

### FISH AND WILDLIFE RESOURCES

Fish and wildlife resources are important overall because of the Fish and Wildlife Coordination Act, National Environmental Policy Act, Endangered Species Act, interest of national conservation organizations, and interest of the local citizenry. The fish and wildlife resources of concern in the project area are those that could be impacted either directly or indirectly by project construction.

Construction activities are planned for five watersheds, most of which include one or more tributaries. Project streams include two major streams north and east of the Comite River and three major streams south of the Comite River. Beaver and Blackwater Bayous, the streams north and east of the Comite, both empty into the Comite River. The other three streams, Jones Creek, Ward Creek, and Bayou Fountain, ultimately empty into the Amite River. Jones Creek flows directly into the Amite, while Ward Creek and Bayou Fountain flow into Bayou Manchac. Bayou Manchac flows into the Amite River.

The value of the fishery resources of Jones and Ward Creek and Bayou Fountain is degraded due to the urban nature of the watersheds. The fishery resources of Beaver and Blackwater Bayous are of higher quality since the land use in the upper portions of both of these watersheds is agricultural and wooded. Land use is urban in the lower portion of these two watersheds. When runoff from urban areas joins the waters from upper areas the aquatic habitat quality becomes rather degraded. Habitat quality of the extreme lower portion of each of the streams is generally better because of the backwater influence of the receiving stream. However, because of the degraded nature of the streams of the overall area, aquatic habitat is considered to be poor and significant only in its provision as backwaters of receiving streams. Therefore, the remainder of this report will essentially address significant terrestrial wildlife habitat provided by forest resources rather than making qualitative judgements about impacts of mitigation measures on aquatic resources.

The forests of the area all fall within the bottomland hardwood category even though some of these are on the terrace geological formation. The flats of the terrace formation supports vegetation similar to the flatter alluvial delta formation. Bottomland hardwood forests are highly significant resources. Concern for these forests is reflected in legislation aimed specifically at their preservation. Section 906 of P.L. 99-662, Water Resources Development Act of 1986, states that mitigation plans shall insure that impacts to bottomland hardwood forests are mitigated "in kind" to the extent possible.

## MITIGATION CONCEPT

The term mitigation was defined by the President's Council on Environmental Quality, established by the National Environmental Policy Act to include:

(a) avoiding the impact altogether by not taking a certain action or parts of an action; (b) minimizing impacts by limiting the degree or magnitude of the action and its implementation; (c) rectifying the impact by repairing, rehabilitating, or restoring the affected environment, (d) reducing or eliminating the impact over time by preservation and maintenance operations during the life of the action; and (e) compensating for the impact by replacing or providing substitute resources or environments.

## AVOID / MINIMIZE / RECTIFY / REDUCE LOSSES

Design plans in the early stages of the project considered the placement of excavated material immediately adjacent to the channel with placement often being upon wooded lands. It was decided that significant losses could be avoided by hauling the material to other non-wooded locations. A precedent already existed for the idea since excavated material from local work on a lower portion of Beaver Bayou had been hauled to an off-site location. Upon discussing the issue with the potential non-Federal sponsor, the City Parish Department of Public Works, it was suggested that the city/parish landfill be utilized for that purpose. Additional savings could be accrued due to reduced mitigation needs. Attempts were made to minimize impacts by eliminating the clearing and snagging or the enlargement of the lowermost portions of each of the streams. However, it was determined that all channel work in the lowermost areas was necessary to achieve the benefits claimed and desired. Selective clearing and snagging was then evaluated and determined to be adequate to achieve the benefits desired. Rectification was not possible in this project since the destruction of wooded habitat is not something that can be repaired or rectified, but rather something that can only be replaced. Reduction or elimination of the impact over time was not applicable since the impact occurred so terminally at one time and project operation and maintenance would require permanent clearing of wooded lands. Therefore, the order of mitigation proceeded to compensation and the analysis process to determine the most cost effective method to accomplish that purpose.

## LOSSES NOT SIGNIFICANT

General. In mid-stage analysis it was determined that hauling costs could be minimized by using an alternate disposal location for material excavated from the Bayou Fountain and Ward Creek channels rather than the city/parish landfill. Borrow pits are routinely excavated in the process of maintenance of Mississippi River levees and by landowners obtaining material for different reasons. The borrow pits to be used are located on the Mississippi River batture between the river and the levee near the western end of Gardere



Lane. The borrow pits are presently aquatic habitat, with rejuvenation of the pits coming from annual winter and spring flooding. Hot summer weather results in eutrophic conditions annually with species composition consisting predominantly of those species capable of withstanding prolonged periods of low dissolved oxygen. Borrow pit habitat is rated as minimal to low value habitat to evaluation species of concern according to the USFWS habitat rating system. The mitigation goal applicable to this habitat is minimization of loss of habitat value. Habitats of this category often have potential value as candidate areas for mitigating losses of other habitats. Borrow pit habitat is a habitat that increases between the levees of the lower Mississippi River often at the expense of wooded riverine habitat.

The material for disposal from the Ward Creek and Bayou Fountain watersheds consists of 147,000 and 283,000 cubic yards considering fluff, respectively. The acreage of borrow pit area necessary for disposal of the excavated material was made with the assumption of a depth of 15 feet with 1 on 2 side slopes. The total area needed using this assumption was 21 acres with 7 from Ward Creek and 14 from Bayou Fountain watersheds.

Mitigation Considerations. Considerations were made whether to attempt to reforest the area by planting or to allow reforestation by natural succession. Planting of oak acorns or seedlings after site preparation could be done to initiate a stand of mast producing trees. However, in this area water levels fluctuate with inundation of two months or longer being common over the batture in the winter and spring months. Under these conditions, black and sandbar willows quickly become established by natural succession after flood waters have receded. Monocultures of willow thickets are common habitats along the batture but habitats of mixed species including mast-bearing species are scarce. Monocultures provide limited habitat value for most species when compared to habitats with any degree of vegetative diversity. However, attempts to introduce any other species other than willows would be to no avail because the area would have to remain free of inundating stages for a period of approximately three years for those seedlings to reach a height above ordinary high waters. Also, naturally occurring willows would out-compete any introduction. Therefore, costs were not developed for planting including any site preparation of the disposal areas for an environmental measure with such an unlikely chance of success. The stems of naturally occurring willows would, however, provide a food source for nutria and swamp rabbits and their canopies a habitat layer for birds. Cavities that occur in older willows would be utilized by cavity nesting birds. Leaves, twigs, and branches that fall would contribute to the total detrital input to the aquatic system. Also, any standing shallow water in the area would provide habitat for food sources for mink, raccoon, turtles, wintering waterfowl, and wading birds.

Summary. The losses that would result from the disposal of the excavated material from the Ward Creek and Bayou Fountain watersheds into these borrow pits would be negligible when combined with the habitat provided by forested riverine lands and the detrital input

to the aquatic system. Therefore, compensatory mitigation would not be appropriate nor justifiable.

## SIGNIFICANT NET LOSSES

Unavoidable forest land losses were determined for all five watersheds. Each watershed involved two or more action alternatives in addition to the no action alternative. Analysis of impacts was done by two methods. Losses were derived from acres of bottomland hardwood forests impacted and were analyzed using two methods. One method was the Habitat Evaluation Procedures (HEP) used by the U.S. Fish and Wildlife Service (USFWS). The HEP is a species oriented approach. The other method was the Habitat Evaluation System (HES) developed by Corps of Engineers. The HES is more of a general habitat approach rather than species oriented approach. This report utilizes the methodology and thus the nomenclature of the HES. However, the Fish and Wildlife Coordination Act Report of the USFWS as Appendix F displays the methodology and the analysis of the HEP. Sampling was a joint effort of a team made up representatives of the Corps of Engineers, U.S. Fish and Wildlife Service, and the Louisiana Department of Wildlife and Fisheries.

Early in the evaluation, two habitat categories were designated. This was to distinguish the difference between wooded riparian habitat that was contiguous to other adjacent wooded tracts and that wooded riparian habitat that was not contiguous to other adjacent wooded tracts. These habitat categories were used by both the HES and the HEP methodologies, initially. However, when it was determined that the use of both categories did not lead toward the development of an implementable mitigation plan, the categories were combined in the HES analysis. The habitat category used was bottomland hardwood habitat.

Sampling of all watersheds produced a Habitat Quality Index (HQI) value that was considered applicable to each individual watershed. To minimize complexity of an already complex analysis it was considered prudent to convert all of these values to one value that would be applicable to all watersheds. Thus an overall HQI was generated. The overall HQI was applicable to each forested acre of each watershed. Total acres of bottomland hardwood (BLH) forests impacted by each alternative was then converted by means of the overall HQI into habitat value over a given time period and then put in terms of annual equivalents or simply annualized. The annual value is described as the Habitat Unit Value or HUV. HUVs in the HES are equivalent to Average Annual Habitat Units or AAHUs in the HEP. The unit of loss for expressing losses of BLH forests is the HUV. Therefore, mitigation is aimed at replacing HUV's rather than acres of forest lands. Table E-1-1 displays the acres and HUV losses for each alternative carried into the final array of plans for each watershed.

TABLE E-1-1  
DETERMINATION OF SIGNIFICANT LOSSES

BASIN	ITEM	ALTERNATIVE			
JONES CREEK	Plan	JCCL-P1	JCCL-P3		
	Acres	78	52		
	HUVs	43.9	29.3		
WARD CREEK	Plan	WC-P4A5			
	Acres	22			
	HUVs	12.4			
BAYOU FOUNTAIN	Plan	BF-10A	BF-10B		
	Acres	15	17		
	HUVs	8.1	9.4		
BEAVER BAYOU	Plan	BBN-P1	BBN-P2	BBN-P3	BBN-P4
	Acres	88	86	89	88
	HUVs	55.3	54.0	55.9	55.3
BLACK- WATER BAYOU	Plan	BW-P2	BW-P4		
	Acres	77	141		
	HUVs	48.4	88.6		

## EXPLANATION OF LOSSES

Early in the analysis, replacement of habitat losses was considered to be the only concern. Therefore, early mitigation considered replacement of those losses in any place possible within approximately 50 miles of East Baton Rouge Parish. After review, it was decided that due to the urban nature of the project and the losses, that these losses of habitat were losses to the human inhabitants of the area also. It was acknowledged that losses were best expressed in habitat value, but the habitat and the creatures using the habitat in this situation were of high value to the human population of the urban area. Mitigation of habitat losses approximately 50 miles from the impact area would likely deprive the human population of seeing the habitat and the creatures that utilized that habitat that was lost due to project construction. Therefore, it was determined that mitigation of those values lost should be located within the parish where residents could benefit from any mitigation measures.

## MITIGATION PLANNING OBJECTIVES

- (1) Replace in-kind 100 percent of the bottomland hardwood habitat losses for each watershed
- (2) Replace those losses within East Baton Rouge Parish

## IDENTIFICATION AND ASSESSMENT OF POTENTIAL MITIGATION STRATEGIES

### IDENTIFICATION OF POTENTIAL MEASURES

Possible measures and options were identified that had the potential to be used to offset project losses, that is, to produce bottomland hardwood habitat. Measures identified were more intense management of existing public lands, reforestation by planting or allowing natural succession on open project lands, and reforestation or allowing natural succession on open private lands. All ideas considered were to produce a certain-net increase of bottomland hardwood forest habitat units.

#### Public Land Option

The Louisiana Department of Wildlife and Fisheries (LDW&F) is the agency responsible for development and protection of wildlife habitat at the state level. The LDW&F was contacted to determine if any management measures could be applied to increase the quality of wildlife habitat on any available public land. They responded that habitat management measures on lands which they own or lease had been maximized, and no additional habitat development work was necessary or warranted on those lands in

southeastern Louisiana. Therefore, this option was eliminated from further mitigation planning.

The East Baton Rouge City Parish officials proposed the use of any lands around or on the city-parish landfill. Upon evaluation it was determined that a minimal amount of land other than on the capped portion of the landfill was available. Further evaluation of planting trees on the capped portion of the landfill itself revealed that neither sufficient moisture nor the soils necessary for the satisfactory growth of bottomland hardwood trees would be present on that capped area. Also, telephone conversation with a representative of the Louisiana Department of Environmental Quality (LDEQ) indicated that planting of trees on a landfill was definitely discouraged, if not prohibited, because of root penetration. Therefore, mitigation planning on this area was abandoned.

### Project Land Option

Project lands consist of that land necessary for achievement of project benefits. This consisted of channel right-of-way only since the majority of dredged material disposal was at a designated landfill. Efforts were then made to maximize mitigation on those rights-of-way since that was a highly desirable option. Early mitigation planning efforts placed high value on the use of any possible land adjacent to the channels. Since all losses were of a riparian nature, the replacement of those losses in a riparian area would minimize mitigation costs with a maximum output. A later development, however, caused planning to turn from those lands. It was pointed out that the minimum interests in real estate that the local sponsor must acquire for lands necessary for fish and wildlife mitigation of a flood control project is fee title (see Engineer Regulation 405-1-12, Chapter 12, Paragraph 12-19, dated 24 Aug 92). Currently, real estate requirements for the proposed action do not include fee title purchase, but flowage easement purchase only. It quickly became evident that the fee title purchase of a long linear strip of land on one or each side of the flood control channel resulted in high severance costs to a number of individual landowners. These projected high severance costs resulted in abandonment of any efforts to achieve habitat mitigation adjacent to the channels. Later stage-guidance pointed out that the District's interpretation of the regulation was too narrow, and placed undue restrictions on attempts to achieve mitigation for flood control actions such as this. In other words, fee title acquisition is not needed. However, the guidance provided still left two questions that required an answer. (1) Does achievement of the habitat value projected depend in any way upon any amount of management? (2) How much certainty exists as to the complete implementation of the mitigation measure over the designed life? The answer to the first question is --- yes. Stewardship would be necessary to see that young trees, which would be planted with this measure, would not be destroyed by cutting. The answer to the second question is --- a minimal amount. Herbivory by nutria and beaver, which is almost a certainty adjacent to channels in non urban areas, would have to be overcome to achieve the habitat value. Also, implementation of the measure over the



designed life would require an amount of managing agency presence to see that initially the planted seedlings; later, the young trees; and still later, the growing and mature trees are protected from adverse impacts from whatever source. A narrow linear area with very limited access for managing agency stewardship or monitoring to be conducted from, as exists along Bayou Fountain where this would likely be conducted, provides logistical problems for which solutions are either not available or are not practical. Thus, any assurance that the projected habitat gains of the intended mitigation features would be achieved on a given area when compared to the without-mitigation condition, i.e., natural succession, on the same area, would be highly questionable. Therefore, the idea of achieving a portion of the required mitigation on project lands or a linear strip of adjacent private lands was abandoned.

#### Private Land Option

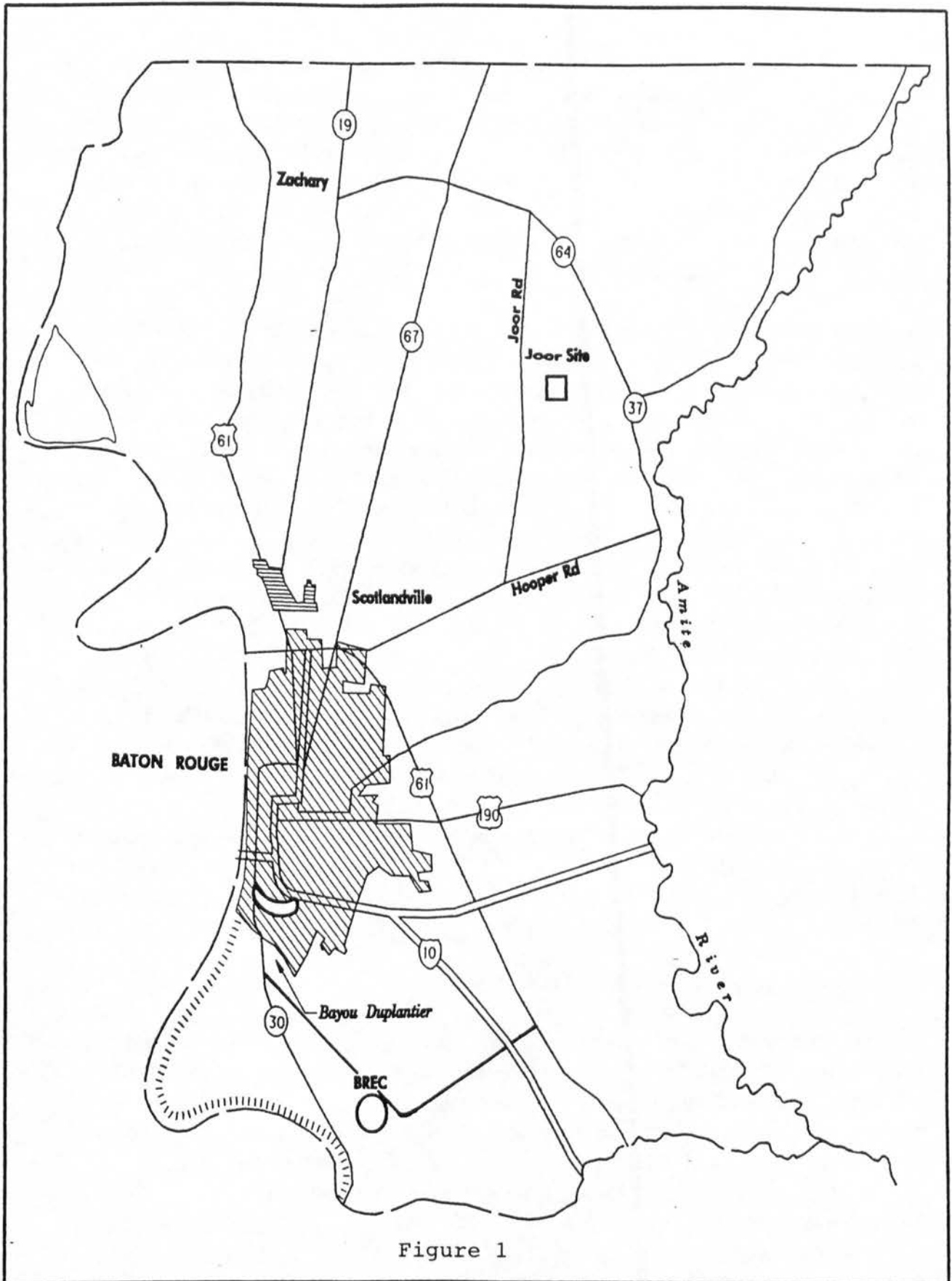
Two options were considered that could be accomplished on private land. One option was to locate a tract of bottomland hardwood woodlands for which there was a threat of development and preserve and possibly utilize habitat development measures so that habitat value could be achieved both by preservation and by active management. The other option was to create bottomland hardwood habitat by reforesting with seedlings or allowing of natural succession on available private land. Real estate acquisition would be necessary with either option to assure preservation and development of habitat as needed. Sites were located for planning purposes. A site was recommended for preservation by city/parish officials. A tentative site was located for reforestation, but any relatively flat low-lying area would be satisfactory for achievement of mitigation objectives. This idea was retained for further mitigation planning.

### ASSESSMENT OF SELECTED MEASURES

#### Private Lands Preservation

City officials recommended a site adjacent to Bayou Duplantier, a tributary of Dawson Creek, which is a stream of which the lower segment would be modified in the Ward Creek basin plan (see Figure 1). The Horizon Plan, a land use plan developed by the city-parish for the long term designates this area as a green area, for which preservation is desirable. The creation of the plan, however, does nothing toward prevention of this area from being developed. This area is a low-lying area some of which retains standing water because of poor drainage and because a portion of it is a sump. A small pond is also located on the area. The lowest areas are least likely for development, but higher portions are definitely candidates for development. The wooded area possible for habitat development is an area between Stanford Avenue and a point near the confluence of Bayou Duplantier with Dawson Creek. The area measures approximately 355 acres.





A forest loss rate was based upon a development rate that was calculated from the land use study prepared by the Louisiana State Planning Office (see Appendix J). That report lists a projection of annual development for the Bayou Duplantier sub-basin of -1.11834 percent. Since the particular area is low-lying it was considered appropriately conservative to reduce that rate by dividing it in half. Therefore, the annual development rate utilized was -.0592 percent. That factor was then applied to the existing wooded area to establish the forest loss of that area for the future conditions without implementation of mitigation measures, i.e., 355 present acres would be reduced to 261 acres over a 52-year period.

A habitat evaluation was conducted on the area by representatives of the USFWS, LDWF, and COE. Projections of future without conditions and future with mitigation measures were made. Habitat development measures were developed jointly by the representatives of the USFWS and the COE. The recommendations of the USFWS are included in the HEP analysis in Appendix F. The HQI determined by the HES analysis for existing conditions was 0.68. This value was projected to remain the same for the 50-year period of analysis since those factors that had influenced conditions to produce that value were expected to continue with no action to prevent it. Habitat development measures included underplanting of trees within the existing trees and timber stand improvement for habitat development. Underplanting within the existing forest would include the planting of water, willow, and Nuttall oaks, and sweet pecan. These would be planted on 15-foot centers for a total of approximately 200 seedlings per acre. A limited number of cottonwood seedlings would be included simply for later injection for snag creation. The timber stand improvement for habitat development would involve injection of selected trees such as willow and hackberry and any trees the injection of which would allow the release of existing more valuable trees. This tree injection would also be done on a rotation of every three years for the first ten years. Then injection would be done once every five years, thereafter. When those mitigation measures were applied, the HQI value was determined to be 0.57, 0.71, 0.78, 0.78, 0.78, 0.78, and 0.79 for target years 1, 7, 12, 22, 32, 43, and 52, respectively. The difference in future without mitigation and future with mitigation resulted in the creation of 118 habitat units upon the 355-acre tract.

#### Private Lands Reforestation

An analysis was then done on reforesting any low-lying cleared (unforested) site to produce bottomland hardwood habitat. Both hand or mechanical planting or natural succession into woodlands could be used to produce that habitat. A planting plan was made that included the planting of a select group of seedlings of mast-producing species for rapid achievement of habitat value. The species selected were water, willow, cherrybark, and Nuttall oaks plus sweet pecan that would develop into the overstory trees. Later it was determined that snags could be achieved by planting a limited number of cottonwoods, a very fast growing tree, within the other species. These cottonwoods could be injected later to produce the snags as necessary and when necessary. An understory

would not be planted but would become established by natural succession. It would include some of those same species plus other species, seeds of which would be carried in by winds and birds or other animals. Planting density was determined by communication with individuals knowledgeable in the field. The density recommended was 300 trees per acre or a spacing of trees on 12-foot centers. That number of trees produces more trees than is necessary early on, but is necessary to assure that the trees planted will be the dominants in the canopy rather than other species not planted nor intended to be dominant.

An analysis was completed for each of the basins. The goal of the analysis was to fully mitigate the habitat losses caused by the implementation of flood control measures for that project. This was done for each of the alternatives considered in the final (at that time) array of plans for the basins. This display of computation of habitat value lost (HUVs) and the computation of mitigation is included as Tables E-1-2 through E-1-6. A projection of habitat values on the planted area were made for selected target years for each of the basins for which flood control alternatives were developed. These were made based upon the models of the HES and the HEP. These projections were made both for the planting of seedlings and for natural succession methods and were initially made jointly by the USFWS and Corps biologists. Later the USFWS dropped their support of the natural succession idea because of reservations of confidence in the mast producing species occurring with natural succession. Thus, the USFWS analysis does not include natural succession as an option in the HEP. The natural succession option is still included in the COE HES analysis.

A search was begun for land that would be satisfactory to accomplish the mitigation objectives. Lands in the northern portion of the parish are somewhat less expensive than in the remainder of the parish so that was the area for primary consideration. A block of land was tentatively selected near Joor Road from which the mitigation real estate needs of the sum of all watersheds could be provided. Then a recommendation was received from the agency that potentially could operate the mitigation lands to evaluate other areas. This agency, the Recreation and Parks Commission for the Parish of East Baton Rouge (BREC), nominated four different parcels of cleared lands for mitigation consideration. These parcels are adjacent to existing parks owned and operated by BREC. Real estate cost estimates were obtained for the open lands nominated. Cost estimates were also prepared for several different quantities of the tract off Joor Road. Either of the four tracts proposed by BREC or the site off Joor Road were satisfactory for producing bottomland hardwood habitat. Later meetings with city/parish officials failed to produce any other satisfactory alternative mitigation sites.

## INCREMENT DETERMINATION

A process of plan selection through analysis of increments was undertaken. Measures for achieving the habitat value were selected. The measures considered were as follows:

HES\_JONE  
JONES

TABLE E-1-2

JONES CREEK

BOTTOMLAND HARDWOOD HABITAT IMPACT ANALYSIS

PLAN	TY	ACRES	HQI	HUV	CUM	PLAN	TY	ACRES	HQI	HUV	CUM

MITIGATION ANALYSIS WITH REFORESTATION

PLAN	TY	ACRES	HQI	HUV	CUM	PLAN	TY	ACRES	HQI	HUV	CUM
FWP-P1	0	93	0.00	0		FWP-P3	0	62	0.00	0	
FWP-P1	1	93	0.00	0	0	FWP-P3	1	62	0.00	0	0
FWP-P1	7	93	0.00	0	0	FWP-P3	7	62	0.00	0	0
FWP-P1	12	93	0.32	30	74	FWP-P3	12	62	0.32	20	50
FWP-P1	22	93	0.44	41	353	FWP-P3	22	62	0.44	27	236
FWP-P1	32	93	0.66	61	512	FWP-P3	32	62	0.66	41	341
FWP-P1	42	93	0.72	67	642	FWP-P3	42	62	0.72	45	428
FWP-P1	52	93	0.78	73	698	FWP-P3	52	62	0.78	48	465
					2279						1519
AHUV Replaced =					43.8	AHUV Replaced =					29.2

HES\_JONE  
JONES  
A56

TABLE E-1-2 (Continued)

JONES CREEK

BOTTOMLAND HARDWOOD HABITAT IMPACT ANALYSIS

PLAN	TY	ACRES	HQI	HUV	CUM	PLAN	TY	ACRES	HQI	HUV	CUM
-0.4599%						-0.4599%					
FWOP	0	91	0.64	58		FWOP	0	91	0.64	58	
FWOP	1	91	0.64	58	58	FWOP	1	91	0.64	58	58
FWOP	7	88	0.64	56	343	FWOP	7	88	0.64	56	343
FWOP	12	86	0.64	55	279	FWOP	12	86	0.64	55	279
FWOP	22	82	0.64	53	539	FWOP	22	82	0.64	53	539
FWOP	32	79	0.64	50	514	FWOP	32	79	0.64	50	514
FWOP	42	75	0.64	48	491	FWOP	42	75	0.64	48	491
FWOP	52	72	0.64	46	469	FWOP	52	72	0.64	46	469
					2693						2693
AHUV =					52	AHUV =					52
(loss)		78									
FWP-P1	0	91	0.64	58		FWP-P3	0	91	0.00	0	
FWP-P1	1	13	0.64	8	33	FWP-P3	1	39	0.00	0	0
FWP-P1	7	13	0.64	8	49	FWP-P3	7	38	0.00	0	0
FWP-P1	12	12	0.64	8	40	FWP-P3	12	37	0.00	0	0
FWP-P1	22	12	0.64	8	77	FWP-P3	22	35	0.00	0	0
FWP-P1	32	11	0.64	7	73	FWP-P3	32	34	0.00	0	0
FWP-P1	42	11	0.64	7	70	FWP-P3	42	32	0.00	0	0
FWP-P1	52	10	0.64	7	67	FWP-P3	52	31	0.00	0	0
					410						0
AHUV =					8	AHUV =					0
Loss in AHUV =					43.9	Loss in AHUV =					51.8

MITIGATION ANALYSIS WITH NATURAL SUCCESSION

PLAN	TY	ACRES	HQI	HUV	CUM	PLAN	TY	ACRES	HQI	HUV	CUM
FWP-P1	0	112	0.00	0		FWP-P3	0	75	0.00	0	
FWP-P1	1	112	0.00	0	0	FWP-P3	1	75	0.00	0	0
FWP-P1	7	112	0.00	0	0	FWP-P3	7	75	0.00	0	0
FWP-P1	12	112	0.26	29	73	FWP-P3	12	75	0.26	20	49
FWP-P1	22	112	0.44	49	392	FWP-P3	22	75	0.44	33	263
FWP-P1	32	112	0.52	58	538	FWP-P3	32	75	0.52	39	360
FWP-P1	42	112	0.52	58	582	FWP-P3	42	75	0.52	39	390
FWP-P1	52	112	0.71	80	689	FWP-P3	52	75	0.71	53	461
					2274						1523
AHUV Replaced =					43.7	AHUV Replaced =					29.3

HES\_WAR2  
WARD  
31-Aug

TABLE E-1-3  
WARD CREEK

BOTTOMLAND HARDWOOD HABITAT IMPACT ANALYSIS

PLAN	TY	ACRES	HQI	HUV	CUM	PLAN	TY	ACRES	HQI	HUV	CUM
-0.4599%						-0.4599%					
FWOP	0	27	0.64	17		FWOP	0	27	0.64	17	
FWOP	1	27	0.64	17	17	FWOP	1	27	0.64	17	17
FWOP	7	26	0.64	17	102	FWOP	7	26	0.64	17	102
FWOP	12	26	0.64	16	83	FWOP	12	26	0.64	16	83
FWOP	22	24	0.64	16	160	FWOP	22	24	0.64	16	160
FWOP	32	23	0.64	15	153	FWOP	32	23	0.64	15	153
FWOP	42	22	0.64	14	146	FWOP	42	22	0.64	14	146
FWOP	52	21	0.64	14	139	FWOP	52	21	0.64	14	139
					799						799
AHUV =					15	AHUV =					15
(loss)		22						27			
FWP-P4A5	0	27	0.64	17		FWP-P4A6	0	27	0.64	17	
FWP-P4A5	1	5	0.64	3	10	FWP-P4A6	1	0	0.64	0	9
FWP-P4A5	7	5	0.64	3	19	FWP-P4A6	7	0	0.64	0	0
FWP-P4A5	12	5	0.64	3	15	FWP-P4A6	12	0	0.64	0	0
FWP-P4A5	22	5	0.64	3	30	FWP-P4A6	22	0	0.64	0	0
FWP-P4A5	32	4	0.64	3	28	FWP-P4A6	32	0	0.64	0	0
FWP-P4A5	42	4	0.64	3	27	FWP-P4A6	42	0	0.64	0	0
FWP-P4A5	52	4	0.64	3	26	FWP-P4A6	52	0	0.64	0	0
					155						9
AHUV =					3	AHUV =					0
Loss in AHUV =					12.4	Loss in AHUV =					15.2

MITIGATION ANALYSIS WITH REFORESTATION

PLAN	TY	ACRES	HQI	HUV	CUM	PLAN	TY	ACRES	HQI	HUV	CUM
FWP-P4A5	0	26	0.00	0		FWP-P4A6	0	32	0.00	0	
FWP-P4A5	1	26	0.00	0	0	FWP-P4A6	1	32	0.00	0	0
FWP-P4A5	7	26	0.00	0	0	FWP-P4A6	7	32	0.00	0	0
FWP-P4A5	12	26	0.32	8	21	FWP-P4A6	12	32	0.32	10	26
FWP-P4A5	22	26	0.44	11	99	FWP-P4A6	22	32	0.44	14	122
FWP-P4A5	32	26	0.66	17	143	FWP-P4A6	32	32	0.66	21	176
FWP-P4A5	42	26	0.72	19	179	FWP-P4A6	42	32	0.72	23	221
FWP-P4A5	52	26	0.78	20	195	FWP-P4A6	52	32	0.78	25	240
					637						784
AHUV Replaced =					12.3	AHUV Replaced =					15.1



HES\_WAR2  
WARD  
A56

TABLE E-1-3 (Continued)

WARD CREEK

31-Aug

BOTTOMLAND HARDWOOD HABITAT IMPACT ANALYSIS

PLAN	TY	ACRES	HQI	HUV	CUM	PLAN	TY	ACRES	HQI	HUV	CUM
-0.4599%						-0.4599%					
FWOP	0	27	0.64	17		FWOP	0	27	0.64	17	
FWOP	1	27	0.64	17	17	FWOP	1	27	0.64	17	17
FWOP	7	26	0.64	17	102	FWOP	7	26	0.64	17	102
FWOP	12	26	0.64	16	83	FWOP	12	26	0.64	16	83
FWOP	22	24	0.64	16	160	FWOP	22	24	0.64	16	160
FWOP	32	23	0.64	15	153	FWOP	32	23	0.64	15	153
FWOP	42	22	0.64	14	146	FWOP	42	22	0.64	14	146
FWOP	52	21	0.64	14	139	FWOP	52	21	0.64	14	139
					799						799
AHUV =					15	AHUV =					15
(loss)		22						27			
FWP-P4A5	0	27	0.64	17		FWP-P4A6	0	27	0.64	17	
FWP-P4A5	1	5	0.64	3	10	FWP-P4A6	1	0	0.64	0	9
FWP-P4A5	7	5	0.64	3	19	FWP-P4A6	7	0	0.64	0	0
FWP-P4A5	12	5	0.64	3	15	FWP-P4A6	12	0	0.64	0	0
FWP-P4A5	22	5	0.64	3	30	FWP-P4A6	22	0	0.64	0	0
FWP-P4A5	32	4	0.64	3	28	FWP-P4A6	32	0	0.64	0	0
FWP-P4A5	42	4	0.64	3	27	FWP-P4A6	42	0	0.64	0	0
FWP-P4A5	52	4	0.64	3	26	FWP-P4A6	52	0	0.64	0	0
					155						9
AHUV =					3	AHUV =					0
Loss in AHUV =					12.4	Loss in AHUV =					15.2

MITIGATION ANALYSIS WITH NATURAL SUCCESSION

PLAN	TY	ACRES	HQI	HUV	CUM	PLAN	TY	ACRES	HQI	HUV	CUM
FWP-P4A5	0	32	0.00	0		FWP-P4A6	0	39	0.00	0	
FWP-P4A5	1	32	0.00	0	0	FWP-P4A6	1	39	0.00	0	0
FWP-P4A5	7	32	0.00	0	0	FWP-P4A6	7	39	0.00	0	0
FWP-P4A5	12	32	0.26	8	21	FWP-P4A6	12	39	0.26	10	25
FWP-P4A5	22	32	0.44	14	112	FWP-P4A6	22	39	0.44	17	137
FWP-P4A5	32	32	0.52	17	154	FWP-P4A6	32	39	0.52	20	187
FWP-P4A5	42	32	0.52	17	166	FWP-P4A6	42	39	0.52	20	203
FWP-P4A5	52	32	0.71	23	197	FWP-P4A6	52	39	0.71	28	240
					650						792
AHUV Replaced =					12.5	AHUV Replaced =					15.2

HES\_FOUN  
FOUNTAIN

TABLE E-1-4

BAYOU FOUNTAIN

BOTTOMLAND HARDWOOD HABITAT IMPACT ANALYSIS

PLAN	TY	ACRES	HQI	HUV	CUM	PLAN	TY	ACRES	HQI	HUV	CUM
-0.5250%						-0.5250%					
FWOP	0	17	0.64	11		FWOP	0	17	0.64	11	
FWOP	1	17	0.64	11	11	FWOP	1	17	0.64	11	11
FWOP	7	16	0.64	10	64	FWOP	7	16	0.64	10	64
FWOP	12	16	0.64	10	52	FWOP	12	16	0.64	10	52
FWOP	22	15	0.64	10	100	FWOP	22	15	0.64	10	100
FWOP	32	14	0.64	9	94	FWOP	32	14	0.64	9	94
FWOP	42	14	0.64	9	90	FWOP	42	14	0.64	9	90
FWOP	52	13	0.64	8	85	FWOP	52	13	0.64	8	85
					495						495
AHUV =					10	AHUV =					10
(loss)		15						17			
FWP-10A	0	17	0.64	11		FWP-10B	0	17	0.64	11	
FWP-10A	1	2	0.64	1	6	FWP-10B	1	0	0.64	0	5
FWP-10A	7	2	0.64	1	8	FWP-10B	7	0	0.64	0	0
FWP-10A	12	2	0.64	1	6	FWP-10B	12	0	0.64	0	0
FWP-10A	22	2	0.64	1	12	FWP-10B	22	0	0.64	0	0
FWP-10A	32	2	0.64	1	11	FWP-10B	32	0	0.64	0	0
FWP-10A	42	2	0.64	1	11	FWP-10B	42	0	0.64	0	0
FWP-10A	52	2	0.64	1	10	FWP-10B	52	0	0.64	0	0
					63						5
AHUV =					1	AHUV =					0
Loss in AHUV =					8.3	Loss in AHUV =					9.4

MITIGATION ANALYSIS WITH REFORESTATION

PLAN	TY	ACRES	HQI	HUV	CUM	PLAN	TY	ACRES	HQI	HUV	CUM
FWP-10A	0	17	0.00	0		FWP-10B	0	20	0.00	0	
FWP-10A	1	17	0.00	0	0	FWP-10B	1	20	0.00	0	0
FWP-10A	7	17	0.00	0	0	FWP-10B	7	20	0.00	0	0
FWP-10A	12	17	0.32	5	14	FWP-10B	12	20	0.32	6	16
FWP-10A	22	17	0.44	7	65	FWP-10B	22	20	0.44	9	76
FWP-10A	32	17	0.66	11	94	FWP-10B	32	20	0.66	13	110
FWP-10A	42	17	0.72	12	117	FWP-10B	42	20	0.72	14	138
FWP-10A	52	17	0.78	13	128	FWP-10B	52	20	0.78	16	150
					417						490
AHUV Replaced =					8.0	AHUV Replaced =					9.4

HES\_FOUN  
FOUNTAIN  
A56

TABLE E-1-4 (Continued)

BAYOU FOUNTAIN

BOTTOMLAND HARDWOOD HABITAT IMPACT ANALYSIS

PLAN	TY	ACRES	HQI	HUV	CUM	PLAN	TY	ACRES	HQI	HUV	CUM
-0.5250%						-0.5250%					
FWOP	0	17	0.64	11		FWOP	0	17	0.64	11	
FWOP	1	17	0.64	11	11	FWOP	1	17	0.64	11	11
FWOP	7	16	0.64	10	64	FWOP	7	16	0.64	10	64
FWOP	12	16	0.64	10	52	FWOP	12	16	0.64	10	52
FWOP	22	15	0.64	10	100	FWOP	22	15	0.64	10	100
FWOP	32	14	0.64	9	94	FWOP	32	14	0.64	9	94
FWOP	42	14	0.64	9	90	FWOP	42	14	0.64	9	90
FWOP	52	13	0.64	8	85	FWOP	52	13	0.64	8	85
					495						495
AHUV =					10	AHUV =					10
(loss)		15						17			
FWP-10A	0	17	0.64	11		FWP-10B	0	17	0.64	11	
FWP-10A	1	2	0.64	1	6	FWP-10B	1	0	0.64	0	5
FWP-10A	7	2	0.64	1	8	FWP-10B	7	0	0.64	0	0
FWP-10A	12	2	0.64	1	6	FWP-10B	12	0	0.64	0	0
FWP-10A	22	2	0.64	1	12	FWP-10B	22	0	0.64	0	0
FWP-10A	32	2	0.64	1	11	FWP-10B	32	0	0.64	0	0
FWP-10A	42	2	0.64	1	11	FWP-10B	42	0	0.64	0	0
FWP-10A	52	2	0.64	1	10	FWP-10B	52	0	0.64	0	0
					63						5
AHUV =					1	AHUV =					0
Loss in AHUV =					8.3	Loss in AHUV =					9.4

MITIGATION ANALYSIS WITH NATURAL SUCCESSION

PLAN	TY	ACRES	HQI	HUV	CUM	PLAN	TY	ACRES	HQI	HUV	CUM
FWP-10A	0	21	0.00	0		FWP-10B	0	24	0.00	0	
FWP-10A	1	21	0.00	0	0	FWP-10B	1	24	0.00	0	0
FWP-10A	7	21	0.00	0	0	FWP-10B	7	24	0.00	0	0
FWP-10A	12	21	0.26	5	14	FWP-10B	12	24	0.26	6	16
FWP-10A	22	21	0.44	9	74	FWP-10B	22	24	0.44	11	84
FWP-10A	32	21	0.52	11	101	FWP-10B	32	24	0.52	12	115
FWP-10A	42	21	0.52	11	109	FWP-10B	42	24	0.52	12	125
FWP-10A	52	21	0.71	15	129	FWP-10B	52	24	0.71	17	148
					426						487
AHUV Replaced =					8.2	AHUV Replaced =					9.4

HES\_BEA  
BEAVER

TABLE E-1-5

BEAVER BAYOU

BOTTOMLAND HARDWOOD HABITAT IMPACT ANALYSIS

PLAN	TY	ACRES	HQI	HUV	CUM	PLAN	TY	ACRES	HQI	HUV	CUM	PLAN	TY	ACRES	HQI	HUV	CUM
-0.0334%						-0.0334%						-0.0334%					
FWOP	0	89	0.64	57		FWOP	0	89	0.64	57		FWOP	0	89	0.64	57	
FWOP	1	89	0.64	57	57	FWOP	1	89	0.64	57	57	FWOP	1	89	0.64	57	57
FWOP	7	89	0.64	57	341	FWOP	7	89	0.64	57	341	FWOP	7	89	0.64	57	341
FWOP	12	89	0.64	57	284	FWOP	12	89	0.64	57	284	FWOP	12	89	0.64	57	284
FWOP	22	88	0.64	57	566	FWOP	22	88	0.64	57	566	FWOP	22	88	0.64	57	566
FWOP	32	88	0.64	56	564	FWOP	32	88	0.64	56	564	FWOP	32	88	0.64	56	564
FWOP	42	88	0.64	56	563	FWOP	42	88	0.64	56	563	FWOP	42	88	0.64	56	563
FWOP	52	87	0.64	56	561	FWOP	52	87	0.64	56	561	FWOP	52	87	0.64	56	561
					2936						2936						2936
AHUV =					56	AHUV =					56	AHUV =					56
(loss)		88					86						89				
FWP-P1	0	89	0.64	57		FWP-P2	0	89	0.64	57		FWP-P3	0	89	0.64	57	
FWP-P1	1	1	0.64	1	29	FWP-P2	1	3	0.64	2	29	FWP-P3	1	0	0.64	0	28
FWP-P1	7	1	0.64	1	4	FWP-P2	7	3	0.64	2	12	FWP-P3	7	0	0.64	0	0
FWP-P1	12	1	0.64	1	3	FWP-P2	12	3	0.64	2	10	FWP-P3	12	0	0.64	0	0
FWP-P1	22	1	0.64	1	6	FWP-P2	22	3	0.64	2	19	FWP-P3	22	0	0.64	0	0
FWP-P1	32	1	0.64	1	6	FWP-P2	32	3	0.64	2	19	FWP-P3	32	0	0.64	0	0
FWP-P1	42	1	0.64	1	6	FWP-P2	42	3	0.64	2	19	FWP-P3	42	0	0.64	0	0
FWP-P1	52	1	0.64	1	6	FWP-P2	52	3	0.64	2	19	FWP-P3	52	0	0.64	0	0
					61						127						28
AHUV =					1	AHUV =					2	AHUV =					1
Loss in AHUV =					55.3	Loss in AHUV =					54.0	Loss in AHUV =					55.9

MITIGATION ANALYSIS WITH REFORESTATION

PLAN	TY	ACRES	HQI	HUV	CUM	PLAN	TY	ACRES	HQI	HUV	CUM	PLAN	TY	ACRES	HQI	HUV	CUM
FWP-P1	0	117	0.00	0		FWP-P2	0	115	0.00	0		FWP-P3	0	119	0.00	0	
FWP-P1	1	117	0.00	0	0	FWP-P2	1	115	0.00	0	0	FWP-P3	1	119	0.00	0	0
FWP-P1	7	117	0.00	0	0	FWP-P2	7	115	0.00	0	0	FWP-P3	7	119	0.00	0	0
FWP-P1	12	117	0.32	37	94	FWP-P2	12	115	0.32	37	92	FWP-P3	12	119	0.32	38	95
FWP-P1	22	117	0.44	51	445	FWP-P2	22	115	0.44	51	437	FWP-P3	22	119	0.44	52	452
FWP-P1	32	117	0.66	77	644	FWP-P2	32	115	0.66	76	633	FWP-P3	32	119	0.66	79	655
FWP-P1	42	117	0.72	84	807	FWP-P2	42	115	0.72	83	794	FWP-P3	42	119	0.72	86	821
FWP-P1	52	117	0.78	91	878	FWP-P2	52	115	0.78	90	863	FWP-P3	52	119	0.78	93	893
					2867						2818						2916
AHUV Replaced =					55.1	AHUV Replaced =					54.2	AHUV Replaced =					56.1

\* FWP-P4 impacts same quantity of acreage as FWP-P1.

BEA\_HES  
BEAVER  
A58

TABLE E-1-5 (Continued)

BEAVER BAYOU

BOTTOMLAND HARDWOOD HABITAT IMPACT ANALYSIS

PLAN	TY	ACRES	HQI	HUV	CUM	PLAN	TY	ACRES	HQI	HUV	CUM	PLAN	TY	ACRES	HQI	HUV	CUM
-0.0334%						-0.0334%						-0.0334%					
FWOP	0	89	0.64	57		FWOP	0	89	0.64	57		FWOP	0	89	0.64	57	
FWOP	1	89	0.64	57	57	FWOP	1	89	0.64	57	57	FWOP	1	89	0.64	57	57
FWOP	7	89	0.64	57	341	FWOP	7	89	0.64	57	341	FWOP	7	89	0.64	57	341
FWOP	12	89	0.64	57	284	FWOP	12	89	0.64	57	284	FWOP	12	89	0.64	57	284
FWOP	22	88	0.64	57	566	FWOP	22	88	0.64	57	566	FWOP	22	88	0.64	57	566
FWOP	32	88	0.64	56	564	FWOP	32	88	0.64	56	564	FWOP	32	88	0.64	56	564
FWOP	42	88	0.64	56	563	FWOP	42	88	0.64	56	563	FWOP	42	88	0.64	56	563
FWOP	52	87	0.64	56	561	FWOP	52	87	0.64	56	561	FWOP	52	87	0.64	56	561
					2936						2936						2936
AHUV =					56	AHUV =					56	AHUV =					56
(loss)		88						86						89			
FWP-P1	0	89	0.64	57		FWP-P2	0	89	0.64	57		FWP-P3	0	89	0.64	57	
FWP-P1	1	1	0.64	1	29	FWP-P2	1	3	0.64	2	29	FWP-P3	1	0	0.64	0	28
FWP-P1	7	1	0.64	1	4	FWP-P2	7	3	0.64	2	12	FWP-P3	7	0	0.64	0	0
FWP-P1	12	1	0.64	1	3	FWP-P2	12	3	0.64	2	10	FWP-P3	12	0	0.64	0	0
FWP-P1	22	1	0.64	1	6	FWP-P2	22	3	0.64	2	19	FWP-P3	22	0	0.64	0	0
FWP-P1	32	1	0.64	1	6	FWP-P2	32	3	0.64	2	19	FWP-P3	32	0	0.64	0	0
FWP-P1	42	1	0.64	1	6	FWP-P2	42	3	0.64	2	19	FWP-P3	42	0	0.64	0	0
FWP-P1	52	1	0.64	1	6	FWP-P2	52	3	0.64	2	19	FWP-P3	52	0	0.64	0	0
					61						127						28
AHUV =					1	AHUV =					2	AHUV =					1
Loss in AHUV =					55.3	Loss in AHUV =					54.0	Loss in AHUV =					55.9

MITIGATION ANALYSIS WITH NATURAL SUCCESSION

PLAN	TY	ACRES	HQI	HUV	CUM	PLAN	TY	ACRES	HQI	HUV	CUM	PLAN	TY	ACRES	HQI	HUV	CUM
FWP-P1	0	142	0.00	0		FWP-P2	0	138	0.00	0		FWP-P3	0	143	0.00	0	
FWP-P1	1	142	0.00	0	0	FWP-P2	1	138	0.00	0	0	FWP-P3	1	143	0.00	0	0
FWP-P1	7	142	0.00	0	0	FWP-P2	7	138	0.00	0	0	FWP-P3	7	143	0.00	0	0
FWP-P1	12	142	0.26	37	92	FWP-P2	12	138	0.26	36	90	FWP-P3	12	143	0.26	37	93
FWP-P1	22	142	0.44	62	497	FWP-P2	22	138	0.44	61	483	FWP-P3	22	143	0.44	63	501
FWP-P1	32	142	0.52	74	682	FWP-P2	32	138	0.52	72	662	FWP-P3	32	143	0.52	74	686
FWP-P1	42	142	0.52	74	738	FWP-P2	42	138	0.52	72	718	FWP-P3	42	143	0.52	74	744
FWP-P1	52	142	0.71	101	873	FWP-P2	52	138	0.71	98	849	FWP-P3	52	143	0.71	102	879
					2883						2801						2903
AHUV Replaced =					55.4	AHUV Replaced =					53.9	AHUV Replaced =					55.8

\* FWP-P4 impacts same quantity of acreage as FWP-P1.

HES\_BLKW  
BLKWTR

TABLE E-1-6

BLACKWATER BAYOU

BOTTOMLAND HARDWOOD HABITAT IMPACT ANALYSIS

PLAN	TY	ACRES	HQI	HUV	CUM	PLAN	TY	ACRES	HQI	HUV	CUM
-0.0334%						-0.0334%					
FWOP	0	141	0.64	90		FWOP	0	141	0.64	90	
FWOP	1	141	0.64	90	90	FWOP	1	141	0.64	90	90
FWOP	7	141	0.64	90	541	FWOP	7	141	0.64	90	541
FWOP	12	140	0.64	90	450	FWOP	12	140	0.64	90	450
FWOP	22	140	0.64	90	897	FWOP	22	140	0.64	90	897
FWOP	32	140	0.64	89	894	FWOP	32	140	0.64	89	894
FWOP	42	139	0.64	89	891	FWOP	42	139	0.64	89	891
FWOP	52	139	0.64	89	888	FWOP	52	139	0.64	89	888
					4652						4652
AHUV =					89	AHUV =					89
(loss)		77									
FWP-P2	0	141	0.64	90		FWP-P4	0	141	0.64	90	
FWP-P2	1	64	0.64	41	66	FWP-P4	1	0	0.64	0	45
FWP-P2	7	64	0.64	41	245	FWP-P4	7	0	0.64	0	0
FWP-P2	12	64	0.64	41	204	FWP-P4	12	0	0.64	0	0
FWP-P2	22	64	0.64	41	407	FWP-P4	22	0	0.64	0	0
FWP-P2	32	63	0.64	41	406	FWP-P4	32	0	0.64	0	0
FWP-P2	42	63	0.64	40	405	FWP-P4	42	0	0.64	0	0
FWP-P2	52	63	0.64	40	403	FWP-P4	52	0	0.64	0	0
					2136						45
AHUV =					41	AHUV =					1
Loss in AHUV =					48.4	Loss in AHUV =					88.6

MITIGATION ANALYSIS WITH REFORESTATION

PLAN	TY	ACRES	HQI	HUV	CUM	PLAN	TY	ACRES	HQI	HUV	CUM
FWP-P2	0	103	0.00	0		FWP-P4	0	188	0.00	0	
FWP-P2	1	103	0.00	0	0	FWP-P4	1	188	0.00	0	0
FWP-P2	7	103	0.00	0	0	FWP-P4	7	188	0.00	0	0
FWP-P2	12	103	0.32	33	82	FWP-P4	12	188	0.32	60	150
FWP-P2	22	103	0.44	45	391	FWP-P4	22	188	0.44	83	714
FWP-P2	32	103	0.66	68	567	FWP-P4	32	188	0.66	124	1034
FWP-P2	42	103	0.72	74	711	FWP-P4	42	188	0.72	135	1297
FWP-P2	52	103	0.78	80	773	FWP-P4	52	188	0.78	147	1410
					2524						4606
AHUV Replaced =					48.5	AHUV Replaced =					88.6



HES\_BLKW  
BLKWTR  
A56

TABLE E-1-6 (Continued)

BLACKWATER BAYOU

BOTTOMLAND HARDWOOD HABITAT IMPACT ANALYSIS

PLAN	TY	ACRES	HQI	HUV	CUM	PLAN	TY	ACRES	HQI	HUV	CUM
-0.0334%											
FWOP	0	141	0.64	90		FWOP	0	141	0.64	90	
FWOP	1	141	0.64	90	90	FWOP	1	141	0.64	90	90
FWOP	7	141	0.64	90	541	FWOP	7	141	0.64	90	541
FWOP	12	140	0.64	90	450	FWOP	12	140	0.64	90	450
FWOP	22	140	0.64	90	897	FWOP	22	140	0.64	90	897
FWOP	32	140	0.64	89	894	FWOP	32	140	0.64	89	894
FWOP	42	139	0.64	89	891	FWOP	42	139	0.64	89	891
FWOP	52	139	0.64	89	888	FWOP	52	139	0.64	89	888
					4652						4652
AHUV =					89	AHUV =					89
(loss)		77									
FWP-P2	0	141	0.64	90		FWP-P4	0	141	0.64	90	
FWP-P2	1	64	0.64	41	66	FWP-P4	1	0	0.64	0	45
FWP-P2	7	64	0.64	41	245	FWP-P4	7	0	0.64	0	0
FWP-P2	12	64	0.64	41	204	FWP-P4	12	0	0.64	0	0
FWP-P2	22	64	0.64	41	407	FWP-P4	22	0	0.64	0	0
FWP-P2	32	63	0.64	41	406	FWP-P4	32	0	0.64	0	0
FWP-P2	42	63	0.64	40	405	FWP-P4	42	0	0.64	0	0
FWP-P2	52	63	0.64	40	403	FWP-P4	52	0	0.64	0	0
					2136						45
AHUV =					41	AHUV =					1
Loss in AHUV =					48.4	Loss in AHUV =					88.6

MITIGATION ANALYSIS WITH NATURAL SUCCESSION

PLAN	TY	ACRES	HQI	HUV	CUM	PLAN	TY	ACRES	HQI	HUV	CUM
FWP-P2	0	124	0.00	0		FWP-P4	0	222	0.00	0	
FWP-P2	1	124	0.00	0	0	FWP-P4	1	222	0.00	0	0
FWP-P2	7	124	0.00	0	0	FWP-P4	7	222	0.00	0	0
FWP-P2	12	124	0.26	32	81	FWP-P4	12	222	0.26	58	144
FWP-P2	22	124	0.44	55	434	FWP-P4	22	222	0.44	98	777
FWP-P2	32	124	0.52	64	595	FWP-P4	32	222	0.52	115	1066
FWP-P2	42	124	0.52	64	645	FWP-P4	42	222	0.52	115	1154
FWP-P2	52	124	0.71	88	763	FWP-P4	52	222	0.71	158	1365
					2517						4507
AHUV Replaced =					48.4	AHUV Replaced =					86.7

(1) acquisition of real estate, (2) natural selection option, (3) planting option, (4) fencing (including replacements), and (5) operation and maintenance (O&M) or stewardship.

An increment in mitigation planning is required to be fully independent. That is, it must not rely on anything else to produce the output or habitat value. Mitigation planning to develop habitat value requires the combination of several measures to achieve a fully independent increment. The following measures are necessary to form the increment: (1) real estate, (2) type of planting, i.e., natural succession or planting, (3) fencing including necessary replacements, and (4) (O&M). O&M was considered appropriate on any area since a frequent physical presence is necessary to provide land stewardship and to insure that the continued use of the land remains what was intended. Fencing was considered necessary to achieve the habitat values projected for the following reasons:

- 1) Designation of a boundary
- 2) To control access
- 3) To prevent unauthorized access (off-road vehicles)
- 4) To prevent vandalism
- 5) To facilitate O&M
- 6) To restrict grazing

Cost development initially consisted of development of total costs for each flood control alternative. This method involved preparing numerous real estate cost estimates. Each separate item was then added to produce total first costs. Fencing was included around the perimeter of each tentatively selected area. The idea was to determine the costs of individual mitigation plans for each flood control alternative. Costs could be generated to be very comparable for each alternative. However, it became evident that a more accurate estimate of costs was required than could be produced this way. This was done by summing the mitigation needs of the anticipated flood control Tentatively Selected Plan (TSP) within each watershed and determining the most cost effective alternative method of mitigation of the sum. Then the costs could be prorated from the sum and based upon individual need to determine costs for each individual alternative as necessary.

## COMPARATIVE COST DEVELOPMENT

General. Costs were developed as follows for mitigation by the separate methods described previously. All costs developed at this stage were for private lands only, since no public lands were available and project lands would not be available for mitigation purposes. Mitigation plans were developed for reforestation both by planting and for natural succession, in addition to plans developed for preservation.

Reforestation. The cost components required for planting or reforestation include first costs and annual costs. The first costs include (1) real estate, (2) planting of seedlings, and

(3) fencing. Real estate costs estimates were developed for the different quantities of land considered. Planting costs are for planting 300 seedlings per acre and are \$150.00 per acre plus contingencies of 25 percent. Fencing costs are \$5.45 per foot plus contingencies of 25 percent. Replacement cost is included for the fencing at years 17 and 34. Fencing costs for the selected plan including the two sites are for fencing perimeters of tracts of 115 and 287 acres (after agency consensus). Operation and maintenance is estimated to be \$22,000 per year for all mitigation options. The O&M was summed in the final combination. The costs were apportioned to the respective projects in the M-CACES cost estimate. Costs for using natural succession to accomplish the reforestation contain the same components but exclude planting.

Preservation. The cost components required for this option include first costs and annual costs. The first costs include (1) real estate, (2) planting of seedling trees within the existing wooded area, and (3) timber stand improvement for habitat which includes injection of selected undesirable trees to create snags and to allow release of the planted trees. Operation and maintenance would be included. One of the habitat development tasks is the maintenance task of injection of selected trees at years 4, 7, and 10; and at five year intervals thereafter. There would be no replacements.

## COST ANALYSIS

Analysis of the separable alternatives or increments requires evaluation of alternatives in stages or groups. Although many costs are displayed in Table E-1-7 the grouping Combined NED Plans by HES reveals the comparative costs by which the most cost effective combination should be chosen from. The analysis of the four alternatives in the grouping reveals that reforestation by planting on the land adjacent to the properties of the Recreation and Parks Commission for the Parish of East Baton Rouge (BREC Ref) is the least cost alternative at \$938 per HUV. The reforestation of East Baton Rouge Parish lands off Joor Road (EBRP\_Ref) is the next least cost alternative at \$1,467 per HUV. Reforestation by natural succession of the lands off Joor Road (EBRP\_NSu) is the next least costly at \$1,676 per HUV. The timber stand improvement for habitat at the Bayou Duplantier site (BDup\_TSI) is the most costly per HUV at \$3,266. Thus, plans on the Bayou Duplantier site and the natural succession method evaluated off Joor Road were eliminated entirely because of costs. To make these costs comparable, the total projected Operation and Management (O&M) amount was used in each case to display a true comparison. Figure 2 displays graphically the representative costs per HUV and the HUVs mitigated, thus the cost effectiveness, of each of the alternatives or increments within that grouping, Combined NED Plans by HES, of mitigation alternatives. The natural succession method was not shown for the BREC sites, but the analysis would have been comparable. The reason for the lower cost per HUV of the BREC-Ref alternative was the lower real estate cost for that option. The two alternatives EBRP-Ref and EBRP-NSuc

COSANDR2  
11-Oct-94  
Incl Non-NED Plans  
All within EBRP & Early Consensus

TABLE E-1-7  
COST PER HABITAT UNIT VALUE (HUV) OF ALL MITIGATION OPTIONS

Basin / Plan / Method	Basin Plan	Mitig. Option	ACRES / HUV'S					FIRST COSTS					ANNUAL COSTS						
			Acres Req'd	Acres Avail	HUV's Req'd	HUV's Achvd	% Achvd	Real Estate	Dev#1 Plant	Dev#2 TSH	Dev#3 Fence	TOTAL FIRST	PV & G INVEST.	Interest	Amort.	O&M	Replace	TOTAL ANNUAL	Cost / HUV
REVISED CONSENSUS TOTAL	Combnd	BREC_Ref	115	115	168.1	81	48%	\$230,000	\$21,563	\$0	\$60,990	\$312,553	\$433,155	\$34,652	\$693	\$10,801	\$1,709	\$47,655	\$588
	Combnd	EBRP_Ref	282	282	168.1	99.9	59%	\$1,058,000	\$52,875	\$0	\$95,507	\$1,206,382	\$1,671,877	\$133,760	\$2,675	\$11,412	\$2,676	\$150,513	\$1,507
	Combnd	TOTAL	397	397	168.1	180.9	108%	\$1,288,000	\$74,438	\$0	\$156,497	\$1,518,935	\$2,105,031	\$168,403	\$3,368	\$22,013	\$4,384	\$198,168	\$1,095
AGENCY CONSENSUS TOTAL	Combnd	BREC_Ref	115	115	168.1	81	48%	\$431,000	\$21,563	\$0	\$60,990	\$513,553	\$711,713	\$56,937	\$1,139	\$10,801	\$1,709	\$70,385	\$869
	Combnd	EBRP_Ref	282	282	168.1	99.9	59%	\$1,410,000	\$52,875	\$0	\$95,507	\$1,558,382	\$2,159,699	\$172,776	\$3,456	\$11,412	\$2,676	\$190,319	\$1,905
	Combnd	TOTAL	397	397	168.1	180.9	108%	\$1,841,000	\$74,438	\$0	\$156,497	\$2,071,935	\$2,871,412	\$229,713	\$4,594	\$22,013	\$4,384	\$260,704	\$1,441
SELECTED COMBO BY HES	Combnd	BREC_Ref	115	115	168.1	81	48%	\$431,000	\$21,563	\$0	\$60,990	\$513,553	\$711,713	\$56,937	\$1,139	\$10,801	\$1,709	\$70,385	\$869
	Combnd	EBRP_Ref	242	242	168.1	87.2	52%	\$1,210,000	\$45,375	\$0	\$88,475	\$1,343,850	\$1,862,388	\$148,991	\$2,980	\$11,412	\$2,479	\$165,862	\$1,902
	Combnd	TOTAL	357	357	168.1	168.2	100%	\$1,641,000	\$66,938	\$0	\$149,465	\$1,857,403	\$2,574,101	\$205,928	\$4,119	\$22,013	\$4,187	\$236,247	\$1,405
COMBINED NED PLANS BY HES	Combnd	EBRP_Ref	357	357	168.1	168.1	100%	\$1,785,000	\$66,938	\$0	\$107,459	\$1,959,397	\$2,715,450	\$217,236	\$4,345	\$22,000	\$3,010	\$246,591	\$1,467
	Combnd	EBRP_NSu	430	430	168.1	168.1	100%	\$2,150,000	\$0	\$0	\$117,936	\$2,267,936	\$3,143,042	\$251,443	\$5,029	\$22,000	\$3,304	\$281,776	\$1,676
	Combnd	BDup_TSI	355	355	168.1	118.0	70%	\$3,994,000	\$39,938	\$22,188	\$0	\$4,056,126	\$5,621,223	\$449,698	\$8,994	\$22,000	\$0	\$480,692	\$4,074
	Combnd	BREC_Ref	115	115	168.1	87.2	52%	\$431,000	\$21,563	\$0	\$60,990	\$513,553	\$711,713	\$56,937	\$1,139	\$22,000	\$1,709	\$81,784	\$938
MAXIMIZE _1/ DUPLANTIER PLAN BY HES	Combnd	BDup_TSI	355	355	168.1	118.0	70%	\$3,994,000	\$39,938	\$22,188	\$0	\$4,056,126	\$5,621,223	\$449,698	\$8,994	\$15,443	\$0	\$480,692	\$4,074
	Combnd	BREC_Ref	115	115	168.1	54.2	38%	\$431,000	\$21,563	\$0	\$60,990	\$513,553	\$711,713	\$56,937	\$1,139	\$8,360	\$1,709	\$81,784	\$938
		TOTAL	470	470	168.1	172.2	108%	\$4,425,000	\$61,501	\$22,188	\$60,990	\$4,569,679	\$6,332,935	\$506,635	\$10,133	\$22,000	\$1,709	\$562,476	\$3,266
HEP#1 _2/	Combnd	BDup_TSI	320	320	*****	168.1	100%	\$3,600,000	\$39,938	\$22,188	\$0	\$3,662,126	\$5,075,194	\$406,016	\$8,120	\$22,000	\$0	\$436,136	\$2,595
HEP#2a _2/	Combnd	All EBR	436	436	*****	168.1	100%	\$2,150,000	\$81,750	\$0	\$118,755	\$2,350,505	\$3,257,471	\$260,598	\$5,212	\$22,000	\$3,327	\$291,136	\$1,732
HEP#2b _2/	Combnd	BREC	115	115	*****	44.4	26%	\$431,000	\$21,563	\$0	\$60,990	\$513,553	\$711,713	\$56,937	\$1,139	\$5,720	\$1,709	\$65,504	\$1,475
		EBR	321	357	*****	137.6	82%	\$1,785,000	\$66,938	\$0	\$107,459	\$1,959,397	\$2,715,450	\$217,236	\$4,345	\$18,106	\$3,010	\$242,697	\$1,764
		TOTAL	436	472	*****	182.0	108%	\$2,216,000	\$88,501	\$0	\$168,449	\$2,472,950	\$3,427,162	\$274,173	\$5,483	\$23,826	\$4,719	\$308,201	\$1,693
WARD _3/	WCC-P4A5	BREC_Ref	28	372	12.4	12.4	100%					\$144,424						\$18,172	
JONES _3/	JCCL-P1	BREC_Ref	99	372	43.9	43.9	100%					\$516,595						\$65,001	
	JCCL-P3	BREC_Ref	66									\$344,397						\$43,334	
BEAVER _3/	BBN-P2	BREC_Ref	122	372	54.0	54.0	100%					\$638,800						\$80,378	
	BBN-P1	BREC_Ref	125									\$649,910						\$81,776	
	BBN-P3	BREC_Ref	127									\$661,019						\$83,174	
	BBN-P4	BREC_Ref	125									\$649,910						\$81,776	
BLACKWATER _3/	BW-P2	BREC_Ref	127	372	55.9	55.9	100%					\$661,019						\$83,174	
	BW-P4	BREC_Ref	217									\$1,133,176						\$142,584	
FOUNTAIN _3/	BF-10B	BREC_Ref	21	372	8.1	8.1	100%					\$111,096						\$13,979	
	BF-10A	BREC_Ref	18									\$94,431						\$11,882	
			397									\$2,071,935						\$260,704	

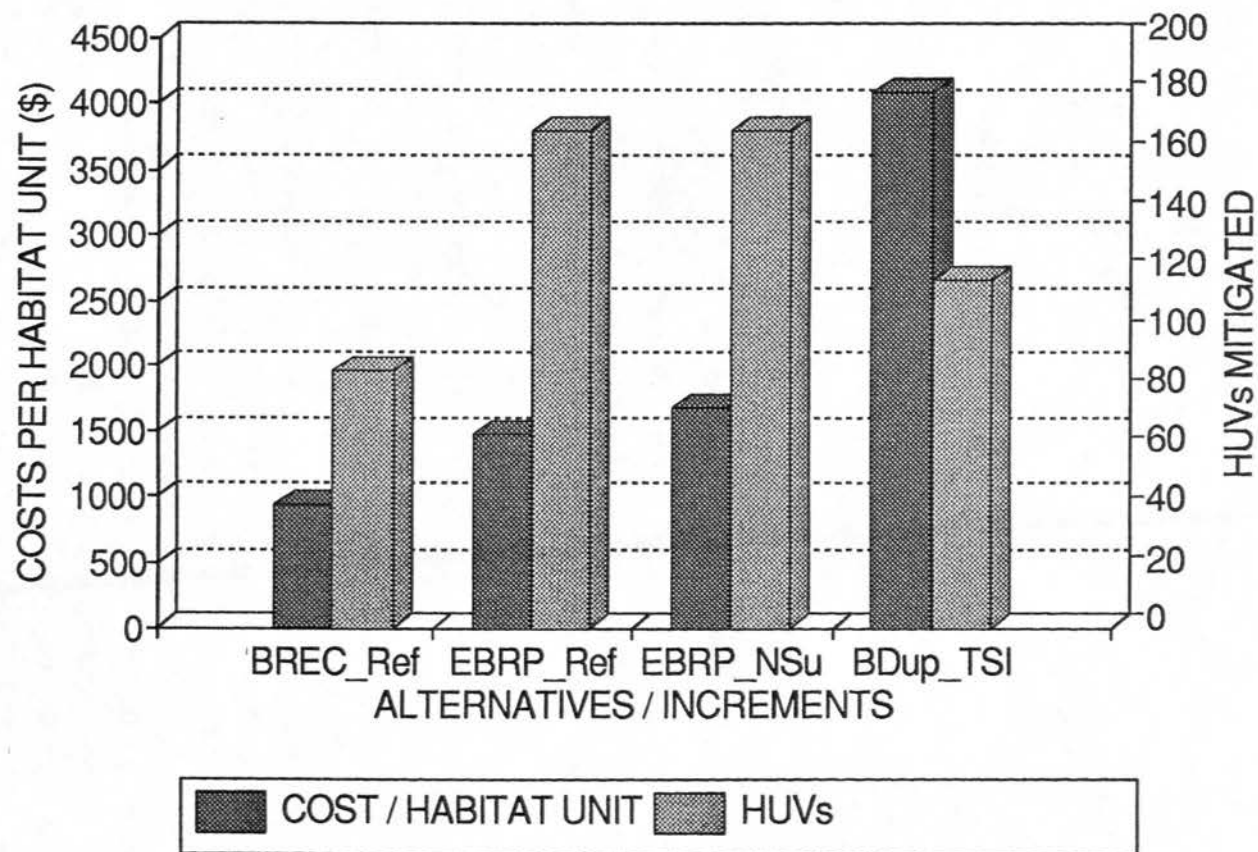
\_1/ Max DUPL by HES analysis utilized 115-acre parcel which produces excess HUV's. However the cost/HUV is comparable.

\_2/ HEP AAHJ's put into HES HUV's for comparable cost analysis purposes only.

HEP#2b. A Real Estate figure for 321 acres was not available. \$1,785,000 is for 357-acre tract. The HUV's Achieved is in excess of the needs, however the Cost/HUV reflects that excess.

\_3/ Acres required shown is agency early consensus and is 106.4% of HES mitigation acreage needs determined in Tables E-1-2 through E-1-6.

# MITIGATION COST EFFECTIVENESS





were from the same overall area and had identical per acre real estate costs. The next grouping, Selected Combo by HES, which assumes a total need of 357 acres to achieve the 168.1 HUV's required by the total of the mitigation needs of the Tentatively Selected Plan of each of the watersheds, displays the relative costs per increment to produce the total requirement. This grouping was done to display the effects of achieving a portion of the HUV's required with the lowest cost increment and to achieve the residual amount with the next lowest cost increment. In that grouping the O&M figure was proportioned to the total which resulted in a slightly lower cost per HUV for the BREC-Ref increment (\$869) than when within the preceding grouping (\$938). It is mentioned that in the grouping Maximize Duplantier by HES a residual amount would be required in excess of the needs that could be supplied by the Duplantier area alone. It is noted that the HEP analysis produced a marked variation of total needs to satisfy the mitigation requirement than the HES analysis; however, the costs per HUV are still excessive (\$2,595) when compared to the reforestation options.

#### SELECTION OF ALTERNATIVE AND INCORPORATION OF HEP

The HEP analysis of the USFWS is included in Appendix F. Both methods, HEP and HES, are acceptable evaluation techniques for use in bottomland hardwood habitats. Neither the HEP or the HES is without fallacy in their application on an area. The HES is not species dependent, but is directed more at habitats in general. A mitigation analysis, using the HES, gives credit to the creation of habitat that is used for a general group of species, rather than to an individual species. The HEP evaluates habitats based upon the meeting of the life requisites of selected evaluation elements or target species. The use of HES allows somewhat more straightforward evaluation of mitigation cost effectiveness. The use of HEP, since it is species-specific, allows riparian and old growth characteristics of an area to be quantified through the selection of specific sensitive species. A mitigation plan that includes an evaluation element (species) dependent upon mature mast bearing trees or large trees would receive very little habitat value and mitigation credit until late in the life of the mitigation plan. Table E-1-8 shows a comparison of the habitat values generated by the models for each method. In order to incorporate the recommendations of HEP, an attempt was made to reach consensus between method recommendations rather than to follow the recommendation of either methodology. The acres required in the table grouping, Agency Consensus Total, within Table E-1-7 is the result of the attempt to reach consensus of the two methodologies. The HUV's required is based simply on one half of the sum of the acreage recommendations of both HEP and HES. Utilizing this requirement, costs per HUV in Table E-1-7 increase minimally (from \$1,405 to \$1,441 per HUV) when compared to that within the grouping, Selected Combo by HES. However, the relationship of costs for the increments remain the same. It is again emphasized that once the determination was reached that planting of open land was the logical option, real estate costs determine the cost effectiveness of any mitigation plan.



TABLE E-1-8

COMPARATIVE HABITAT VALUES

		HES		HEP									
		Construction Area		Construction Area									
TARGET YEAR	PLAN	BLH		BLH									
				Contiguous BLH				Noncontiguous BLH					
				Gray Sqrl	Pil'td Wdpr	Mink	Brown Thrashr	Gray Sqrl	Pil'td Wdpr	Mink	Brown Thrashr		
0	FWO		0.64		0.62	0.33	0.63		0.31		0.46	0.15	
1	FWO		0.64		0.62	0.33	0.63		0.31		0.46	0.15	
7	FWO		0.64										
12	FWO		0.64		0.62	0.33	0.63		0.31		0.46	0.15	
22	FWO		0.64		0.62	0.33	0.63		0.31		0.46	0.15	
32	FWO		0.64		0.62	0.33	0.63		0.31		0.46	0.15	
42	FWO		0.64		0.62	0.33	0.63		0.31		0.46	0.15	
52	FWO		0.64		0.62	0.33	0.63		0.31		0.46	0.15	
0	FWP		***** ALL CATEGORIES SAME AS FWOP *****										
1	FWP												
7	FWP												
12	FWP												
22	FWP												
32	FWP												
42	FWP												
52	FWP												
(Mitigation Area)				(Mitigation Area)				(Mitigation Area)					
BREC\ DUPLAN-				BREC\JOOR				DUPLANTIER					
JOOR TIER													
0	FWO		0.00	0.68		0.00	0.00	0.15	0.01	0.00	0.00	0.88	0.42
1	FWO		0.00	0.68		0.00	0.00	0.15	0.01	0.00	0.00	0.88	0.42
7	FWO		0.00	0.68									
10						0.00	0.00	0.15	0.01	0.00	0.00	0.88	0.42
12	FWO		0.00	0.68									
22	FWO		0.00	0.68									
25						0.00	0.00	0.15	0.01	0.00	0.00	0.88	0.42
32	FWO		0.00	0.68									
42	FWO		0.00	0.68									
50						0.00	0.00	0.15	0.01	0.00	0.00	0.88	0.42
52	FWO		0.00	0.68									
0	FWP		0.00	0.68		0.00	0.00	0.15	0.01	0.00	0.00	0.88	0.42
1	FWP		0.00	0.57		0.00	0.00	0.15	0.01	0.00	0.00	0.88	0.42
7	FWP		0.00	0.71									
10						0.00	0.00	0.15	0.75	0.32	0.42	0.88	0.81
12	FWP		0.26	0.78									
22	FWP		0.44	0.78									
25						0.68	0.45	0.15	0.31	0.80	0.79	0.88	0.42
32	FWP		0.52	0.78									
42	FWP		0.52	0.78									
50						0.88	0.90	0.15	0.15	0.85	1.00	0.88	0.16
52	FWP		0.71	0.79									

## LATE STAGE COST REVISIONS

Revisions were made to the estimates of real estate costs for the two recommended mitigation sites late in the feasibility process. These revised costs have been incorporated in the overall study cost estimate. The new estimates result in a total estimated cost reduction from \$431,000 to \$230,000 for the site near Siegen Lane/Burbank Drive and from \$1,410,000 to \$1,058,000 for the site near Joor Road. The new estimates also result in a reduction of the cost per HUV from \$869 to \$588 for the BREC\_Ref site and from \$1,905 to \$1,507 for the EBRP\_Ref site and are displayed in Table E-1-7 in the Revised Consensus Total group. The Siegen Lane/Burbank Drive and the Joor Road mitigation sites remain the most cost effective sites with the revised cost estimates.

## RECOMMENDED MITIGATION PLAN

The mitigation plan recommended consists of acquisition and development of bottomland hardwood habitat by reforestation upon 397 acres of land in East Baton Rouge Parish. This would be made up of 115 acres, as available, of lands adjacent to or nearby parish parks and would include the residual of approximately 287 acres of lands off Joor Road. The plan would include fencing with replacement and maintenance of the fence. Operation and maintenance of the area would be the responsibility of the local sponsor and would consist of stewardship of the area to see that the habitat value projected is realized. The Recreation and Parks Commission for the Parish of East Baton Rouge has indicated a definite interest in and willingness to assume responsibility for the operation and management of the areas. A letter of intent has been provided. This organization is adequately staffed and is fully capable of performing all operation and management functions. The Commission would be a logical operator of the facilities.

**APPENDIX E**  
**SECTION 2**  
**AESTHETIC PLAN**

**EAST BATON ROUGE PARISH  
AESTHETIC PLAN**

Table of Contents

	<u>Page</u>
Introduction	E-2-1
Baton Rouge Horizon/Greenlinks Plan	E-2-1
Existing Conditions	E-2-1
Project Drainage Basins	E-2-3
Replanting Plan	E-2-4
Tree/Shrub Planting, Fountain-Ward-Jones	E-2-4
Tree Planting, Blackwater-Beaver	E-2-4
List of References	E-2-8

**EAST BATON ROUGE PARISH  
AESTHETIC PLAN**

List of Figures

<u>Figure</u>		<u>Page</u>
1	Greenlinks Concept Plan	E-2-2
2	Project Planting Plan	E-2-5

List of Tables

<u>Table</u>		<u>Page</u>
1	Project Segments Revegetated	E-2-6
2	Suggested Tree and Shrub Varieties	E-2-6
3	Tree/Shrub Requirements and Cost Per Watershed	E-2-7

## **AESTHETIC PLAN**

### **INTRODUCTION**

Bayous, swamps, creeks, lakes, and rivers winding through East Baton Rouge Parish are natural corridors of open space and greenways linking an increasingly urbanized population to experiences in the outdoors. The Greenlinks concept proposed by the Baton Rouge Comprehensive Land Use Horizon Plan, and developed in part by this plan, would utilize these verdant corridors as natural green swaths. Greenlinks may be as elaborate as a paved and landscaped hiking-biking trail, but they may also be as simple and natural and ecologically important as a stretch of streambank re-vegetated.

### **BATON ROUGE HORIZON/GREENLINKS PLAN**

The Horizon Plan, developed by the city of Baton Rouge and East Baton Rouge Parish, is a new 20-year Comprehensive Land Use and Development Plan. The Horizon Plan is a guide for officials making decisions concerning land use and development of the city and parish. The plan identifies the major issues that will influence future growth and proposes specific actions that will help the City-Parish target its resources in the most efficient way.

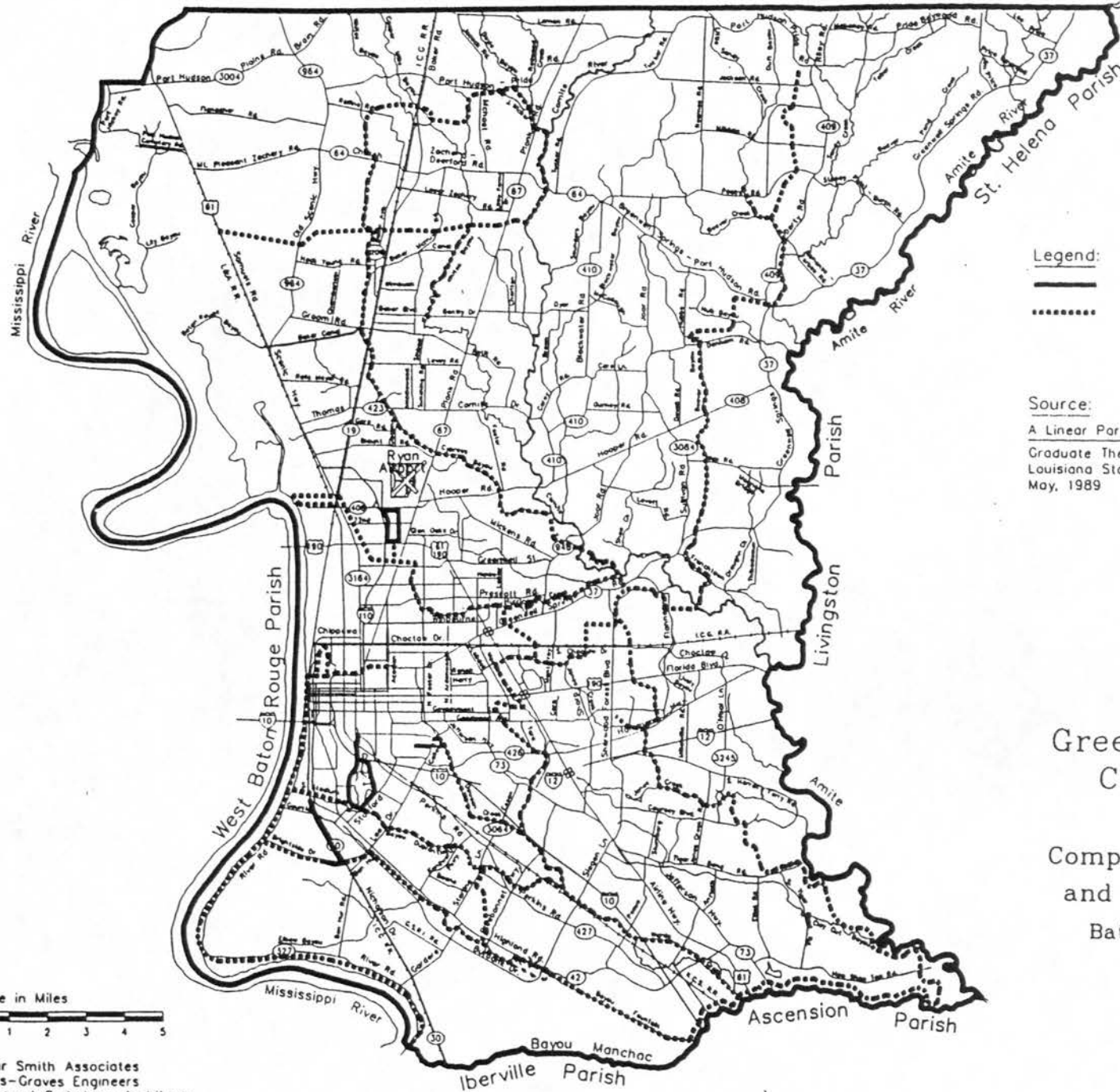
The Horizon Plan visualizes the establishment of a parishwide network of Greenlinks (see Figure 1), taking advantage of the drainage rights-of-way that currently exist along waterways and drainage channels. The Greenlinks concept within the Horizon Plan would be implemented by a multi-phased, immediate and long-term development program of East Baton Rouge Parish. The plan would create an extensive system of trails, pathways and greenways for walking, jogging, and cycling. Greenlinks in the future would be interconnected with existing and planned street-level bike routes within the parish.

### **EXISTING CONDITIONS**

Existing vegetation along the various drainage corridors provide a variety of aesthetic and ecological benefits. Erosion control, wildlife benefits, improvement of air quality, and providing a scenic buffer zone between back yards and the drainage ditch are benefits attributable to vegetative linear green spaces. Vegetation existing along the stream banks contribute to erosion control through the establishment of horizontal roots limiting bank erosion and contributing to stable banks. Wildlife benefits are realized within the ecology created by streambank riparian environments. The vegetation provides wildlife habitat and nesting areas. In a world of concrete, gas fumes, industrial corridors, and shopping centers, the opportunity of encountering



# East Feliciana Parish



## Legend:

- Existing Green Link Trail
- - - Proposed Green Link Trail

## Source:

A Linear Park System for East Baton Rouge Parish,  
Graduate Thesis, School of Landscape Architecture,  
Louisiana State University, by Elizabeth F. Thomas,  
May, 1989

Figure 1  
Greenlinks System  
Concept Plan  
Horizon Plan  
Comprehensive Land Use  
and Development Plan  
Baton Rouge, Louisiana

Figure 1

Figure 1

E-2-2

Scale in Miles  
0 1 2 3 4 5

Wilbur Smith Associates  
Evans-Graves Engineers  
Chenevert Soderberg Architects

groups of wildlife and flocks of birds is quite unique for a city. These green stream bank corridors provide an opportunity to harbour wildlife while providing visual aesthetic benefits. These stream corridors increase the abundance and diversity of wildlife within the city.

Another advantage of greenway corridors in the city is the reduction in pollution, creation of shade, and stimulating air movements. In summer, under tree cover, vegetative stream bank areas can be as much as 10 degrees cooler. Air currents moving into the city over these forested areas will bring cooler air and lower humidity. By preserving these natural areas where trees and shrubs flourish, dust filtration from high densities of vegetation improves air quality. The trees in these corridors help remove and retain carbon monoxide and particulates emitted by vehicles. Particulates are filtered more efficiently by trees that have dense branches, rough bark and twigs, and large hairy leaves. The soil, an effective sink for pollutants, aids in the removal of pollutants when trees are planted in soil covered with leaves, rather than pavement.

Existing greenways provide a buffer zone decreasing the nuisance of lights, noise, visual unsightliness, etc. from adjacent property owner view. Throughout the city, greenways screen unsightly views from favorable views, thus, limiting aesthetic degradation of adjacent properties.

#### **PROJECT DRAINAGE BASINS**

Five separate drainage basins are present within the East Baton Rouge Parish flood study. These basins include: 1) Bayou Fountain; 2) Ward Creek, including the North Branch of Ward Creek and Dawson Bayou; 3) Jones Creek, including Jones tributary, Lively Bayou, Lively Bayou tributary, and Weiner Bayou; 4) Blackwater Bayou, including tributary #1 and #2; and 5) Beaver Bayou, including tributary #1 and #2.

Project hydrologic design entails three distinct types of channel work. These are clearing and snagging, channel enlargement, and concrete lining. Of the three, clearing and snagging, will have minimal to no impact on the upper bank corridor vegetative tree cover. Clearing and snagging will be accomplished by working within the existing stream bank with the intent of leaving the top bank vegetation intact and undisturbed. Channel enlargement and concrete lining scenario will impact tree cover on both banks. Existing trees will be removed from the top of bank to facilitate channel re-shaping. Aesthetic losses will occur by implementation of these two types of channel improvements.

## **REPLANTING PLAN**

Based upon lost aesthetic conditions, a replacement plan has been implemented which will return lost vegetative cover along impacted stream banks. Tree types lost include, but are not limited to: sycamore, green ash, sweet gum, hackberry, willow, tallow, cotton wood, and various oaks. Understory vegetation such as privet, ilex variety, elephant ear, nandira, french mulberry, elderberry, pepper vine, trumpet vine, ferns, etc., will also be lost.

Table 1 identifies segments of project stream banks that will be impacted by channel work. Replacement vegetative cover will be planted along these areas (Figure 2).

### **TREES AND SHRUB PLANTING, FOUNTAIN-WARD-JONES**

Trees shall be 4 to 5 feet tall in 2-gallon containers, shrubs similar height and gallon size. Tree spacing will occur at approximate 25-foot intervals and shrubs at 15-foot intervals. These spacings are identified for estimation purposes only in reality, trees and shrubs will be grouped together in units of 2 or 3 for a more natural appearance and an increase in aesthetic appeal. See Tables 2 and 3 identifying types of trees along with number and cost per stream segment. This replacement vegetation is intended to mitigate aesthetic losses and potential degradation caused by the project. Aesthetic losses are greatest in urban setting, where high population density exists and back yards co-exist with lost lateral tree cover. These areas specifically exist in the Fountain, N. Branch of Ward Creek and Jones Creek watersheds.

Since these areas have traditionally enjoyed an extensive screen of trees and shrubs, aesthetic mitigation in the form of similar vegetation is proposed.

### **TREE PLANTING, BLACKWATER-BEAVER**

Aesthetic losses occurring in the rural project area, Blackwater and Beaver Bayous, are not in high density urban populations. Aesthetic degradation in these areas is not considered as significant as those in highly populated areas. Few adjacent residential property areas are present along these rural drainage corridors. Farms and cattle grazing are primarily land uses. Based upon limited resident aesthetic views lost, and the rural nature of the area, only tree losses will be mitigated through replanting. In time, volunteer shrub and brush vegetation will naturally return toward the stream bank due to the abundance of undisturbed edge vegetation. These disturbed areas will re-establish an adequate layer of understory vegetation beneath the replanted trees.

Figure 2

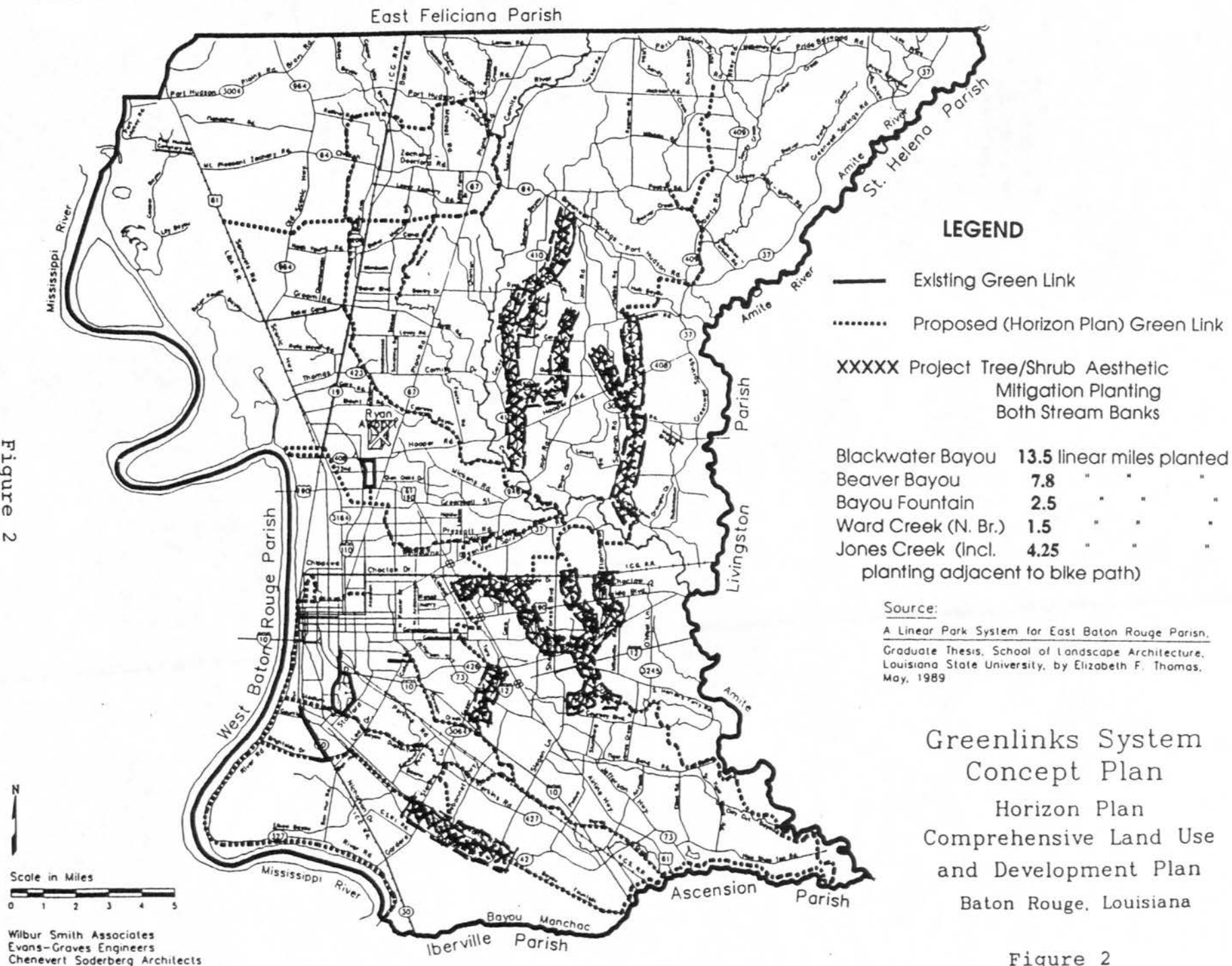


TABLE 1

## Project Segments Revegetated

<u>CREEK/BAYOU</u>	<u>DISTANCE IMPACTED</u>	<u>TYPE OF IMPACTS</u>
Blackwater	13.5 miles each bank	channel improvement
Beaver	7.8 miles each bank	channel improvement
Fountain	2.5 miles each bank	channel improvement
Ward (N. Branch)	1.5 miles each bank	concrete lining
Jones (exclusive of rec. plan)	4.25 miles each bank	concrete lining

TABLE 2

## Suggested Tree and Shrub Varieties

TREES

Red Maple - *Acer rubrum Drummondii*  
 American Elm - *Ulmus Americanna*  
 Green Ash - *Fraxinus pennsylvanica*  
 Cypress - *Taxodium distichum*  
 Pecan - *Carya illinoensis*  
 Water Oak - *Quercus nigra*  
 Willow Oak - *Quercus phellos*  
 Live Oak - *Quercus virginiana*  
 Nuttall Oak - *Quercus nuttallii*  
 Red Bud - *Cercis canadensis*

SHRUBS

Sumac - *Rhus glabra*  
 French Mulberry - *Morus rubra*  
 Huckleberry - *Gaylussacia dumosa*  
 Dogwood - *Cornus florida*  
 Parsley Hawthorn - *Crataegus marshallii*  
 Ironwood - *Carpinus caroliniana*  
 Serviceberry - *Amelanchier arborea*  
 Yaupon - *Ilex vomitoria*



**TABLE 3**  
Tree/Shrub Requirements & Cost per Watershed

	Total Miles Both Sides	Numbers of Trees/Shrubs Per Mile	Total Tree/Shrub Count		Cost Tree=\$15 ea Shrub=\$11 ea	Total Cost	Annual O&M <u>1/</u>	One-Time Replacement @ 5 yrs <u>2/</u>	Cost w/Contingency (25%)
Blackwater	13.5 x 2 = 27	211 trees/mi	5,700	x	\$15.00 =	\$85,500	\$1,700	\$21,400	\$107,000
Beaver	7.8 x 2 = 15.6	211 trees/mi	3,290	x	\$15.00 =	\$49,350	\$1,000	\$12,337	\$ 61,687
Fountain	2.5 x 2 = 5	211 trees/mi	1,050	x	\$15.00 =	\$15,750			\$ 19,000 <u>3/</u>
	5	352 shrubs/mi	1,760	x	\$11.00 =	<u>\$19,360</u>			<u>\$ 23,000</u> <u>3/</u>
						\$35,110	\$1,000	\$ 8,400	\$ 42,000
Ward	1.5 x 2 = 3.0	211 trees/mi	650	x	\$15.00 =	\$ 9,750			\$ 12,088
(N. Branch)	3.0	352 shrubs/mi	1,100	x	\$11.00 =	<u>\$12,100</u>			<u>\$ 15,125</u>
						\$21,850	\$1,000	\$ 5,000	\$ 27,313
Jones	4.25 x 2 = 8.5	211 trees/mi	1,800	x	\$15.00 =	\$27,000			\$ 33,500
(exclusive of	8.5	352 shrubs/mi	3,000	x	\$11.00 =	<u>\$33,000</u>			<u>\$ 41,500</u>
bike path)						\$60,000	\$1,200	\$14,200	\$ 75,000

1/ Annual O&M includes pruning and trimming, estimated at 2% first cost.

2/ One-time replacement at 5 years after planting to replace dead and missing trees, estimated at 25% first cost.

3/ 20%.



## LIST OF REFERENCES

- Horizon Plan-Baton Rouge Comprehensive Land Use and Development Plan.
- Southern Plants - Odenwald/Turner.
- Greenways for America - Charles E. Little.
- Thesis LSU - A Linear Park System for East Baton Rouge Parish by Elizabeth Fuselier Thomas.
- Baton Rouge Park BREC Various literature.

**APPENDIX E**

**SECTION 3**

**RECREATION ANALYSIS**

**EAST BATON ROUGE PARISH  
RECREATION**

Table of Contents

	<u>Page</u>
Introduction	E-3-1
Recreation Demand and Need Analysis	E-3-4
Overview of methods and objectives	E-3-4
Demand	E-3-5
Supply	E-3-7
Needs	E-3-12
Summary	E-3-12
Recreation Development Plan	E-3-13
Overview of the Recreation Plan	E-3-13
Recreation Facilities	E-3-14
Facility Design Criteria	E-3-16
Annual Use Calculations	E-3-16
Developed Recreation Facility Use	E-3-16
Recreation Valuations	E-3-17
Unit Day Price Determination	E-3-19
Recreation Development Benefit/Cost Analysis	E-3-19
Cost	E-3-19
Replacements	E-3-21
Benefits	E-3-21

**EAST BATON ROUGE PARISH  
RECREATION**

List of Figures

<u>Figure</u>		<u>Page</u>
1a	BREC Park System Map	E-3-2
1b	Listing of 136 Parks	E-3-3
2	Types of Bikeways	E-3-8
3	Bikeway Element of Horizon Plan	E-3-10
4	Jones Creek Bicycle Plan	E-3-15

List of Tables

<u>Table</u>		<u>Page</u>
1	Recreation Demand/Need Calculations	E-3-6
2	Annual Visitation and Benefits	E-3-18
3	Recreation Costs	E-3-20

## **EAST BATON ROUGE PARISH RECREATION APPENDIX**

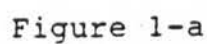
### **INTRODUCTION**

The recreation study area is contained within the parish of East Baton Rouge. The southern portion of the parish is highly urbanized whereas the northern areas are rural. The parish has a well defined system of 136 park sites consisting of 3,840 acres which are administered by the Recreation and Parks Commission for the Parish of East Baton Rouge (BREC). These parks are located throughout the parish with the majority in the central to southern portion of the parish where the population density is highest. These parks are predominantly urban day-use facilities consisting of ball fields, basketball courts, indoor games, equestrian facilities, etc. (Figures 1a & 1b).

According to the Louisiana State Comprehensive Outdoor Recreation Plan (SCORP), the four most popular activities in the state are walking for pleasure, bicycling, driving for pleasure and running or jogging in that order. These four recreational activities account for 57 percent of all recreation occurrences statewide. Over 1.5 million people participate in the sport of bicycling annually in Louisiana. The average Louisianian rides a bike more than 45 times a year.

The need for the development of bike and walking paths within the parish has been identified by the SCORP, the Louisiana Advisory Committee On Bicycling, and is further identified in the Horizon Plan, the official comprehensive land-use and development plan for the city-parish. As an integral part of the transportation component of the Horizon Plan, the city-parish is planning to develop a bikeway and pedestrian/hiking trail system to foster the use of bicycles as an alternative mode of transportation for commuting as well as for recreational purposes. There are approximately 6 miles of Class I bikeways (separate right-of-way for bicycles) and 5 miles of Class II bikeways (shared right-of-way with vehicular traffic via bike lane) in East Baton Rouge Parish.

Figure 1-a





# USE YOUR 136 PARKS!

Figure 1-b

Park	Address
Aikine Park (1)	17200 Aikine Hwy.
Alexander Ave. Park (2)	8000 Alexander Ave.
Alsen Park (3)	1001 Old Rate Meyer Rd.
Anne T. Jordan Park (4)	1750 5th Street
Antioch Blvd. Park (5)	8229 Antioch Blvd.
Avenue M Park (6)	10058 Avenue M
Baker Park (7)	4331 Jefferson Street
Baker Recreation Center (8)	1420 Alabama Street
Barringer Road Park (114)	7401 Barringer Road
Baywood Park (9)	20001 Pride-Baywood Rd.
Bellair Park (10)	4390 Fairfields
Blueberry Street Park (12)	1900 N. Ardenwood
Brooks Park (13)	1650 Fannie Street
Brown Heights Park (14)	11500 Ellen Drive
Buchanan Park (15)	2300 Buchanan St.
Byrd Station Park (11)	2623 Mitchell Street
Cadillac Street Park (16)	6117 Cadillac Street
Camelot Park (17)	3166 Lancelot Drive
Cedar Ridge Park (41)	Cedar Ridge Drive
Cedarcrest Park (18)	2490 Silveret
Chamberlain St. Park (19)	16900 Chamberlain
Church Street Park (20)	3210 Church Street
City Park (21)	1442 City Park Ave.
Clark Park (22)	2455 Thomas Road
Cohn Arboretum (23)	12208 Foster Road
College Town Park (24)	201 Amherst Street
Colonial Cts. Sr. Ck. (25)	5655 McClelland St.
Combie River Park (26)	8900 Hooper Road
Corporate Parkway (27)	333 East Grant
Cortana Place Park (28)	9300 Cortana Place
Cunard Avenue Park (117)	2290 Cunard Ave.
Dover Street Park (29)	7300 Dover Street
Doyle's Bayou Park (30)	7801 Pt. Hudson Pride Rd
Droz Road Park (31)	7700 Droz Road
Druella Park (32)	2546 Druella Lane
Duchess Drive Park (33)	1701 Duchess Drive
East Brookstown Park (36)	4300 E. Brookstown
East Polk Street Park (35)	1700 East Polk Street
Eastgate Park (116)	Eastgate Drive
Edwards Avenue Park (34)	2900 Edwards Ave.
Evangeline Street Park (37)	4201 Evangeline Street
Expressway Park (38)	835 South 11th Street
Farr Park Horse Center (95)	6400 River Road
Fiesta Park (39)	1000 Fiesta Court
Flannery Road Park (40)	801 Flannery Road
Forest Park (42)	13950 S. Harrell's Ferry

Park	Address
Fortune Addition Park (43)	6900 Peerless Street
Forty-Eighth St. Park (44)	628 N. 48th Street
Garden Center (56)	7500 Independence Blvd.
Gayosa St. Park (122)	2128 Gayosa Street
Gentilly Court Park (45)	14443 Gentilly Court
Goldby Field (46)	1502 Foss Street
Goodwood Playground (47)	13000 Goodwood Blvd.
Greenwell Springs Park (48)	7350 Shady Park Drive
Greenwood Park (49)	13350 Highway 19
Gus Young Park (50)	4200 Gus Young Avenue
Harding Street Park (51)	4037 Harding Street
Highland Road Park (52)	14024 Highland Road
Hooper Road Park (53)	6261 Gwynell Drive
Howell Park (55)	5509 Winbourne
Independence Park (56)	7500 Independence Blvd.
Jackson Park (57)	12250 Sullivan Road
James Watson Park (58)	10800 Foster Road
Jefferson Park (59)	3503 Jefferson Street
Jefferson Terrace Park (60)	10202 Cal Road
Kendalwood Road Park (61)	26501 Kendalwood
Kerr Warren Park (62)	4100 Geronimo
Lafayette Street Park (63)	151 Lafayette Street
Lafitte Street Park (64)	400 Lafitte Street
Lanier Drive Park (65)	3901 Lanier Drive
Leeward Drive Park (75)	4800 Menlo Drive
Ligen Road Park (66)	21600 Ligen Road
Little Farms Park (67)	3754 Little Farms Dr.
Longfellow Park (68)	5201 Longfellow Dr.
Lovett Road Park (69)	13443 Lovett Road
Madison Avenue Park (123)	1620 Madison Avenue
Magnolia Cemetery (70)	422 N. 19th Street
Magnolia Mound (71)	2181 Nicholson Drive
Manchae Park (118)	19010 Old Jefferson
Maplewood Park (72)	6200 Maplewood Ave.
Mayfair Park (73)	650 Flora Lane
Meadow Park (74)	8300 Meadow Park Dr.
Memorial Stadium (46)	1702 Foss Street
Monte Sano Park (76)	2701 Greenwell Street
Myrtle Street Park (78)	5408 Myrtle Street
Nakn Drive Park (79)	2900 Valley Street
North 14th St. Park (70)	100 N. 14th Street
North 18th St. Park (124)	1801 Gayosa Street
North B. R. Center (80)	2013 Central Road
North Boulevard Park (70)	1401 North Boulevard
N. Sherwood Forest (81)	3140 N. Sherwood Forest Dr.
North Street Park (82)	4100 North Street

Park	Address
Old Hammond Hwy. (83)	6900 Old Hammond Hwy.
Palomino Drive Park (129)	Palomino Drive
Parklawn Park (84)	12248 Parklawn Avenue
Parkview Park (85)	9000 N. Parkview
Perkins Rd/Olympic (86)	7122 Perkins Road
Plank Road Park (125)	19550 Plank Road
Pride Park (87)	15971 Pride/Port Hudson Rd.
Progress Park (88)	802 N. 30th Street
Railay Roethio Park (89)	11801 Norway Pine
Reames Road Park (90)	23223 Reames Road
Red Oaks Park (91)	2100 Greenoaks Drive
Rio Drive Park (92)	6900 W. Rio Drive
Rita Street Park (93)	2315 Rita Street
River Bend Park (94)	River Bend Subdivision
Rollins Road Park (96)	5784 Rollins Road
Roosevelt Street Park (97)	1011 W. Roosevelt
Sala Park (98)	855 Donmor
Samuel D'Agostino Park (99)	10300 El Scott Avenue
Santa Maria Golf Course (130)	18301 Perkins Road
Scotlandville Parkway (100)	1-110 Scotlandville
Seventeenth St. Maint. (46)	1385 N. 17th Street
Shario Terrace Sr. Ck. (101)	4915 Alvin Dark Avenue
Sharp Road Park (102)	501 Sharp Road
South 18th St. Park (103)	520 S. 18th Street
South Magnolia St. Park (54)	2408 S. Magnolia
Spain Street Park (104)	2101 Spain Street
Spanish Town Park (119)	1300 Spanish Town Road
Stanford Ave. Park (126)	801 Stanford Avenue
Sugar Land Dr. Park (120)	4700 Sugar Land Drive
Tame Drive Park (105)	11600 Tame Drive
Terrace Street Park (106)	7000 Terrace Street
Thirty-Ninth St. Park (107)	3451 39th Street
Thomas A. Maher Park (108)	8200 Oakview Drive
Trillean Ave. Park (109)	5208 Trillean Avenue
Turner Plaza Sr. Ck. (110)	4456 North Street
Tuscarora St. Park (111)	4200 Tuscarora Street
Valley Park (78)	4575 Bawell Street
Velodrome (86)	7122 Perkins Road
Webb Park (112)	1351 Country Club Drive
Wenonah Street Park (113)	3300 Wenonah Street
West Brookstown Park (37)	4500 E. Brookstown
Woodlawn Acres Park (127)	6300 Woodlawn Acres Ave.
Wray Park (128)	Ridgewood Drive
Yates Drive Park (121)	Yates Drive
Zoo (49)	13350 Hwy 19/Thomas Rd

The population expansion within East Baton Rouge Parish and the increased interest in physical fitness and in the environment, has led to a growing need to provide convenient, accessible outdoor opportunities for urban dwellers. A system of connected paths for walkers, joggers, and cyclists, i.e., a linear park system, has provided these needs in hundreds of communities nation wide. Within this flood control study, the need and opportunity exists to provide a biking/walking circulation path through highly urbanized portions of the parish. The pathway system will traverse portions of the Jones Creek project stream right-of-way bank connected by designated street routes. Project stream routes will be Class I bikeways whereas the road connector routes will be Class II bikeways. These bikeways are planned for neighborhood riding or longer rides in the range of 15 miles. The public street connector routes provide the bicyclist with the opportunity to ride in a large circle eventually returning to the beginning point of the ride.

This planned pathway system will approach the vicinity of numerous BREC park sites which will be used by bicyclists and walkers. These areas will provide bicyclists areas to park their automobiles prior to using the trails, for taking rest/water breaks and as staging sites for group distance rides.

Within this recreational analysis, the need, costs, and benefits of bicycle trail development are documented.

## **RECREATION DEMAND AND NEED ANALYSIS**

### **OVERVIEW OF METHODS AND OBJECTIVES**

A regional analysis approach was used to determine priorities with respect to recreational needs. The approach is a generalized way of presenting recreational supply/demand relationships for land use within the project market area and is similar to that used by many states in preparing their Statewide Comprehensive Outdoor Recreation Plan (SCORP).

The analysis has three objectives: first, to determine the demand for bicycle trail development within the

project market area; second, to translate demands of these activities into facility needs and third, to use this information in identifying potentials for recreational development along the project.

The analysis includes all of East Baton Rouge Parish and coincides with a portion of Louisiana SCORP planning region 3. Demand and need were projected for target years 1995 and 2020, which span a 25-year project life.

The demand-need determination equation is composed of three basic elements: demand, supply, and need. Need is defined as that amount remaining when all demand is compared with the existing supply (demand - supply = need). The three components, in turn, require numerous interim calculations in their respective determinations. They are discussed in the following paragraphs.

#### **DEMAND**

Demand is commonly viewed as an expression of desire to engage in an activity by an individual in a given area. To calculate demand, two essential components must be determined: the market area, including its population composition and the individual participation rate of the activity measured.

The demand/need equation presented in Table 1 translates the East Baton Rouge Parish target populations for the years 1995 and 2020 into unsatisfied need through a process of calculations. Parish populations of 408,000 for 1995 are first multiplied by the summer use participation rate of 13.26 (highest use of the year) yielding high quarter potential use of 5,410,080 user-days. The summer use participation rate is approximately one-third of total use. In order to translate this high quarter use to annual use, the high quarter visitation of 5,410,080 user-days is divided by .33. Potential annual visitation of 16,394,181 user-days is the result. In order to develop a facility that will satisfy a capacity of users, use rates from the summer quarter

**TABLE 1**  
Jones Creek Recreation Plan  
Recreation High Quarter Demand/Need Equation

				Summer Use			Average	Facility	Gross	Market	Net
E.B.R. Parish	Market Area	High	Conversion	Annual	Days in	High	Standard	Standard	Market	Area	Market
1995 Population	Participation	Quarter	Factor to	Use In	High	Quarter	Optimum	Optimum	Area	Supply	Area
	Rate	Man-days	Annual Use	Man-days	Quarter	Man-days	Use	Use	Demand	Existing	Need
Bike Path	408,000	13.26	5,410,080	.33	16,394,181	91.5	59,127	30 man-days/mile	1,970 mi.	10	1,960 mi.
E.B.R. Parish	2020 Population										
Bike Path	540,000	13.26	7,160,400	.33	21,698,181	91.5	78,256	30 man-days/mile	2,609 mi.	10	2,599 mi.

of the year were used. This use was divided by 91.5 (the number of days in the summer quarter of the year) and the result is 59,127 potential users per day. The SCORP facility standard of 30 users per mile per day is then divided into the annual use of 5,410,080, resulting in 1,970 potential miles of bike ways needed. Presently, 10 miles of bike paths exist within East Baton Rouge Parish. Subtracting the 10 existing miles from 1,970 potential miles needed results in a net need of 1,960 miles of unsatisfied demand. The approximate 11 miles of bicycle path proposed within this study will satisfy only a small portion of the unmet need.

Listed below are bicycle use standards obtained from the Louisiana SCORP.

#### Bicycling

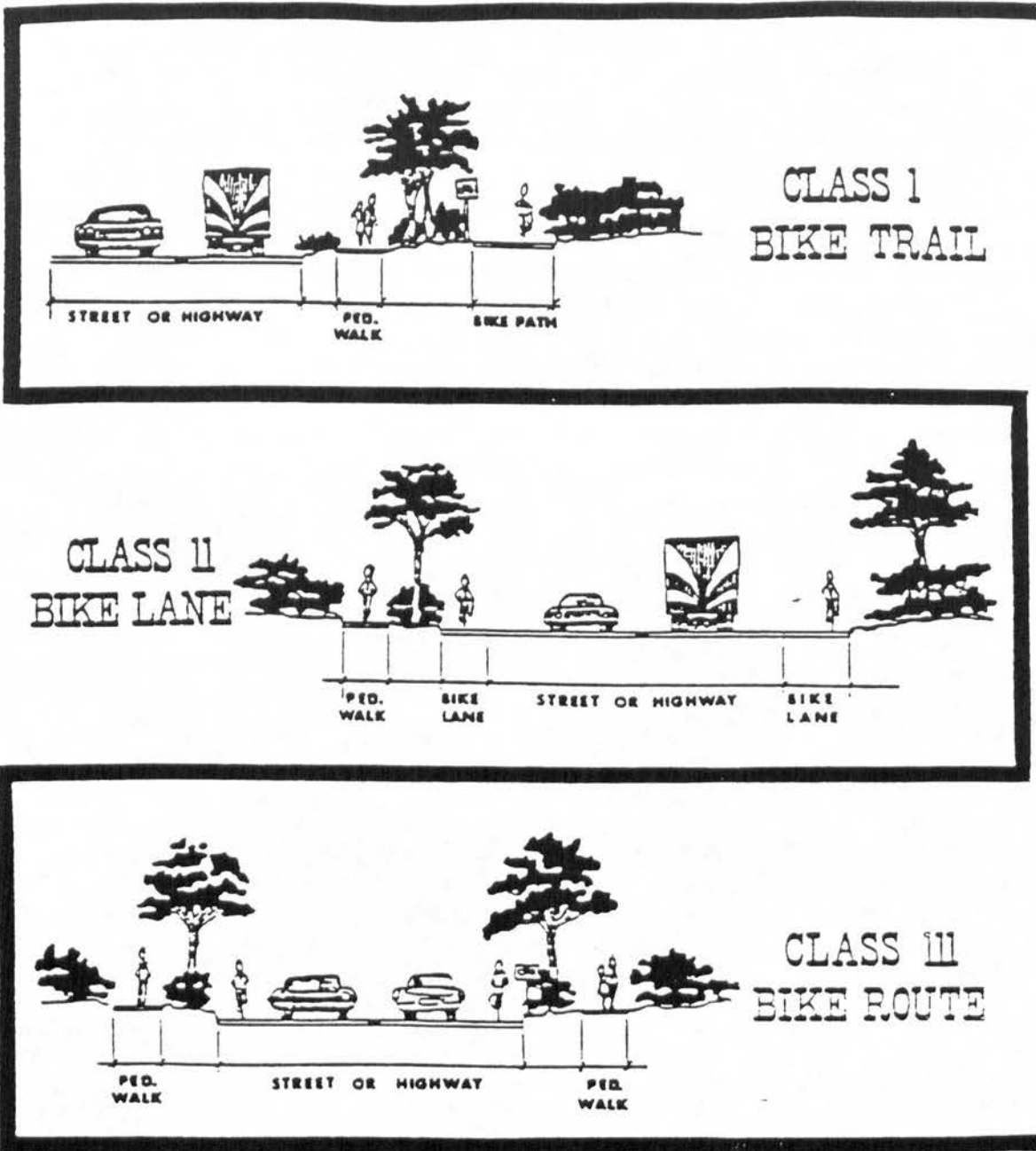
Assume 10 people per mile use the path daily  
Turnover rate = 3  
30 user-days per mile

#### **SUPPLY**

Market area supply data used in the demand and need analysis were obtained from two basic sources: the Louisiana State Comprehensive Outdoor Recreation Plan (SCORP) and the Horizon plan. Presently, there are 10 miles of bicycle path existing within East Baton Rouge Parish.

#### Bikeways

The following excerpt from the Horizon plan identifies the three classes of bicycle path development. As defined by the American Association of State Highway and Transportation Officials (AASHTO) and adopted by East Baton Rouge Parish, bikeways are classified into three functional design categories based on usage and improvement type. Bikeway types are shown in Figure 2 and are described as follows:



SOURCE : Capital Region Planning Commission (CRPC).

## Types of Bikeways

Horizon Plan

Comprehensive Land Use and Development Plan

Wilbur Smith Associates  
Evans-Graves Engineers  
Chenevert Soderberg Architects

Baton Rouge, Louisiana

Figure 2



- o Class I (Bicycle Path or Hike and Bike) - This is a completely separated right-of-way designated exclusively for bicycles. Through traffic, whether by motor vehicles or pedestrians, is not allowed. Cross flows by vehicles and pedestrian are allowed but are minimized.
- o Class II (Bicycle Lane) - This is restricted right-of-way located on the paved road surface designated exclusively or semi-exclusively for bicycles, and identified by special signs, lane striping, and/or other pavement markings. Through traffic by motor vehicles or pedestrians is not allowed. Cross flows by vehicles and pedestrians are allowed but are minimized.
- o Class III (Bicycle Route or Hike and Bike) - This is any shared right-of-way designated by signs, with bicycle traffic sharing the through traffic right-of-way with either moving (but not parked) motor vehicles or pedestrians.

There are approximately 6 miles of Class I bikeways and 5 miles of Class II bikeways in the Baton Rouge study area. The existing bikeway facilities are shown in Figure 3 and listed below:

#### Class I Bikeways

1. Scotlandville Park Bike Trail: This is a scenic, winding, concrete-surfaced trail through woods and park area; and,  
  
I-110: This is a two-way, eight-foot-wide, surfaced path built beneath the elevated Interstate 110 structure from Airline Highway to Harding Boulevard. This is a segment of a much longer system proposed along portions of the interstate.
2. Gus Kinchen Bicycle Trail: This is a blacktop surfaced path of less than 1.0 mile in length.

Figure 3

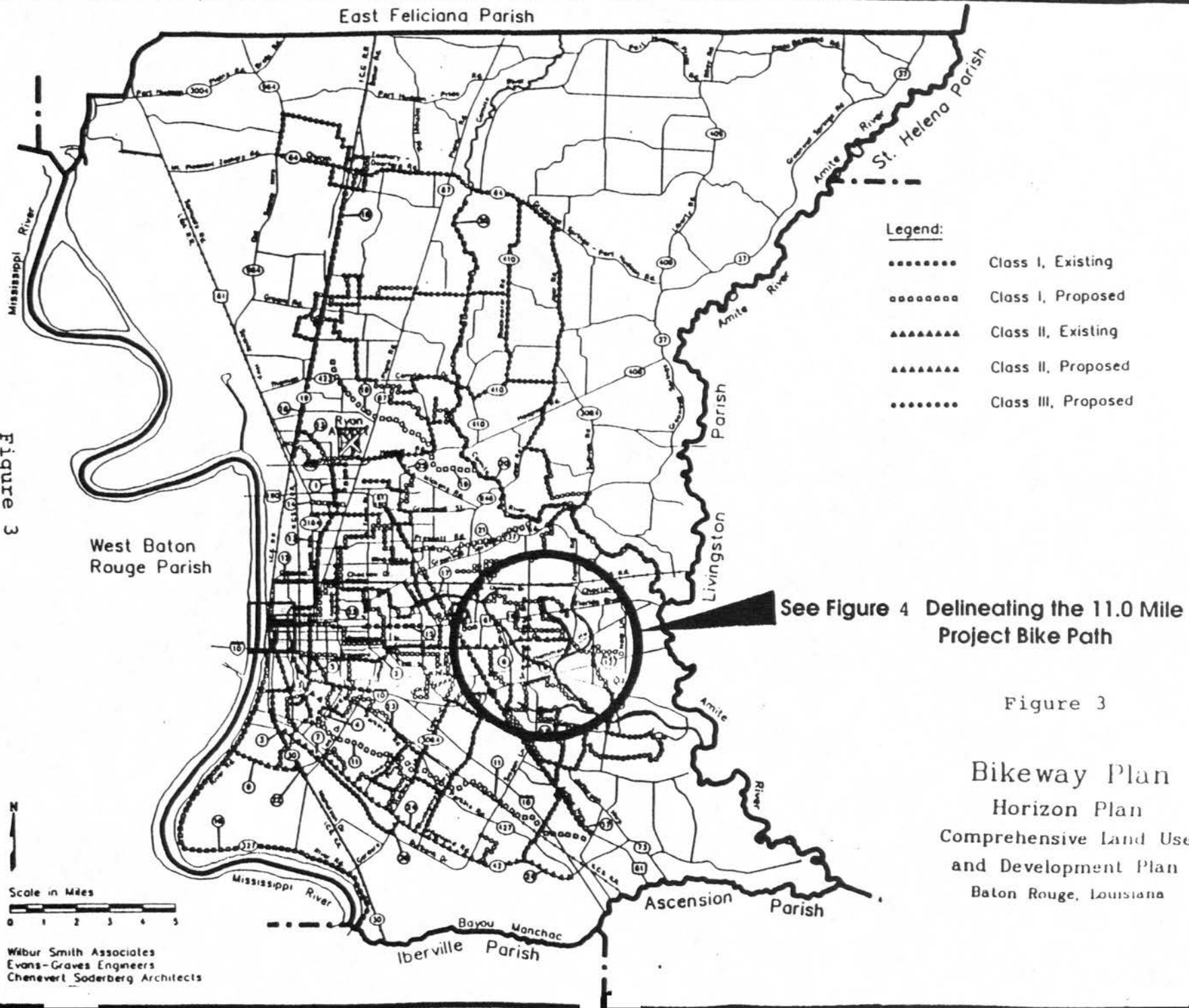


Figure 3

Bikeway Plan  
Horizon Plan  
Comprehensive Land Use  
and Development Plan  
Baton Rouge, Louisiana

Wilbur Smith Associates  
Evans-Graves Engineers  
Chenevert Soderberg Architects

The trail provides off-road access to an elementary school, by the golf course along College Drive; and

Hundred Oaks Bikeway: This short path extends from Longwood Drive to College Drive.

3. Nicholson Drive Extension: Along the Illinois Central Gulf Railroad right-of-way from South Stadium Road (LSU Campus) to Brightside Lane.
4. University Lake Bike Trail: This is a scenic path along University Lake, from Stanford Avenue to West Lake Shore Drive
5. City Park Lake Bike Trail: This is along Dalrymple from May Street to Magnolia Drive, tying the park to the University Lake Bike Trail.

#### Class II Bikeways

1. City Park Lake Bike Lane: Dalrymple Drive from West Lake Shore Drive to May Street, and May Street from Dalrymple Drive to East Lakeshore Drive.
2. Goodwood Boulevard: The path is a one-way, four-foot lane designated on existing roadway on both the eastbound and westbound lanes between Airline Highway and Stockton Road.
3. Burbank Drive: This bikeway is along the shoulder of Burbank Drive from Nicholson Drive to Ben Hur Road.
4. South Sherwood Forest Boulevard: The path is a one-way, four-foot-wide lane designated on existing roadway on both the northbound and southbound lanes of the boulevard between Old Hammond Highway and Archery Drive.
5. Brightside Lane: From Nicholson Drive to Harwick Drive.

### Class III Bikeways

There are currently no designated Class III bikeways within East Baton Rouge Parish.

### **NEEDS**

General recreation market area needs were obtained by subtracting the market area supply for bicycling (10 miles) from the net market area demand of 1,970 miles. A positive net need of 1,960 miles is shown in Table 1. Bicycle trail development is justifiable on the basis of demand and warrants implementation.

### **SUMMARY**

The demand need analysis of the market area, Table 1, identifies a demand and need for additional bikeways within East Baton Rouge Parish. Bicycling is one of the most popular sports in Louisiana. A recent recreation survey by the Louisiana Department of Culture, Recreation, and Tourism indicated that over a million and a half Louisianians ride bicycles annually. Bicycling is far more popular than football, baseball, or basketball. Despite its popularity, a survey of recreation facilities indicates that less than thirty bicycle related facilities in the state exist, and that most of these are comprised of short, inner city hiking and biking trails or jogging tracks.

Bicycling is one of the most popular sports in the United States. In 1984, there were 78 million bicyclists in the U.S., approximately 32 percent of the population. By 1989, this figure had grown to 90 million riders. A 1985 recreation survey of Louisianians indicated that bicycling is no less popular in Louisiana. Over one and a half million Louisianians ride bicycles, slightly over 34 percent of the state's population. Cycling in Louisiana is not just for children, 60 percent of Louisiana riders are over the age of 18.

The popularity of cycling in Louisiana should come as no surprise. The state's mild climate makes bicycling a year-round activity. Contrary to some critics who feel that Louisiana summers are too hot for bicycling, summer is the most popular time to ride. Nearly one-third of all individuals responding to the statewide survey rode their bicycles during the summer months. Winter was the least desirable cycling season at slightly over 22 percent. Spring and fall had nearly identical numbers of participants with 26 percent and 28 percent, respectively.

Bicycling, primarily takes place on streets and public roads. Bikes are most often used for short recreational rides and for local transportation. Bicyclists though, are increasingly riding for exercise and touring. A survey of members of a national touring club revealed that Bikecentennial rides cycle on an average of over 2,900 miles per year. The large amount of cycling activity shown by the 1985 State Outdoor Recreation Survey and the small number of bicycling facilities available statewide, indicate that Louisiana cyclists travel millions of miles a year on public roads and streets.

## **RECREATION DEVELOPMENT PLAN**

### **OVERVIEW OF THE RECREATION PLAN**

The western fork of the Jones Creek bicycle path begins at Cuyhange Parkway, traversing the western stream bank in a southerly direction, for approximately 5 miles. At the convergence of Weiner Creek, the bike path turns west along the northern bank of Weiner Creek for approximately one mile, ending at S. Sherwood Forest Boulevard and near Lake Sherwood Avenue North. The northern beginning of bicycle path's center leg begins on the western stream bank of Lively Bayou tributary at Tams Avenue. This portion of the path extends approximately 2 miles south adjoining the Lively Bayou eastern leg of the bike path at approximately Woodcliff Street. The northern beginning of the Lively Bayou, eastern leg, begins at the Wallis Street dead end and extends southward for approximately 2.5 miles. A 50-foot-long by 10-foot-wide steel and wooden bridge

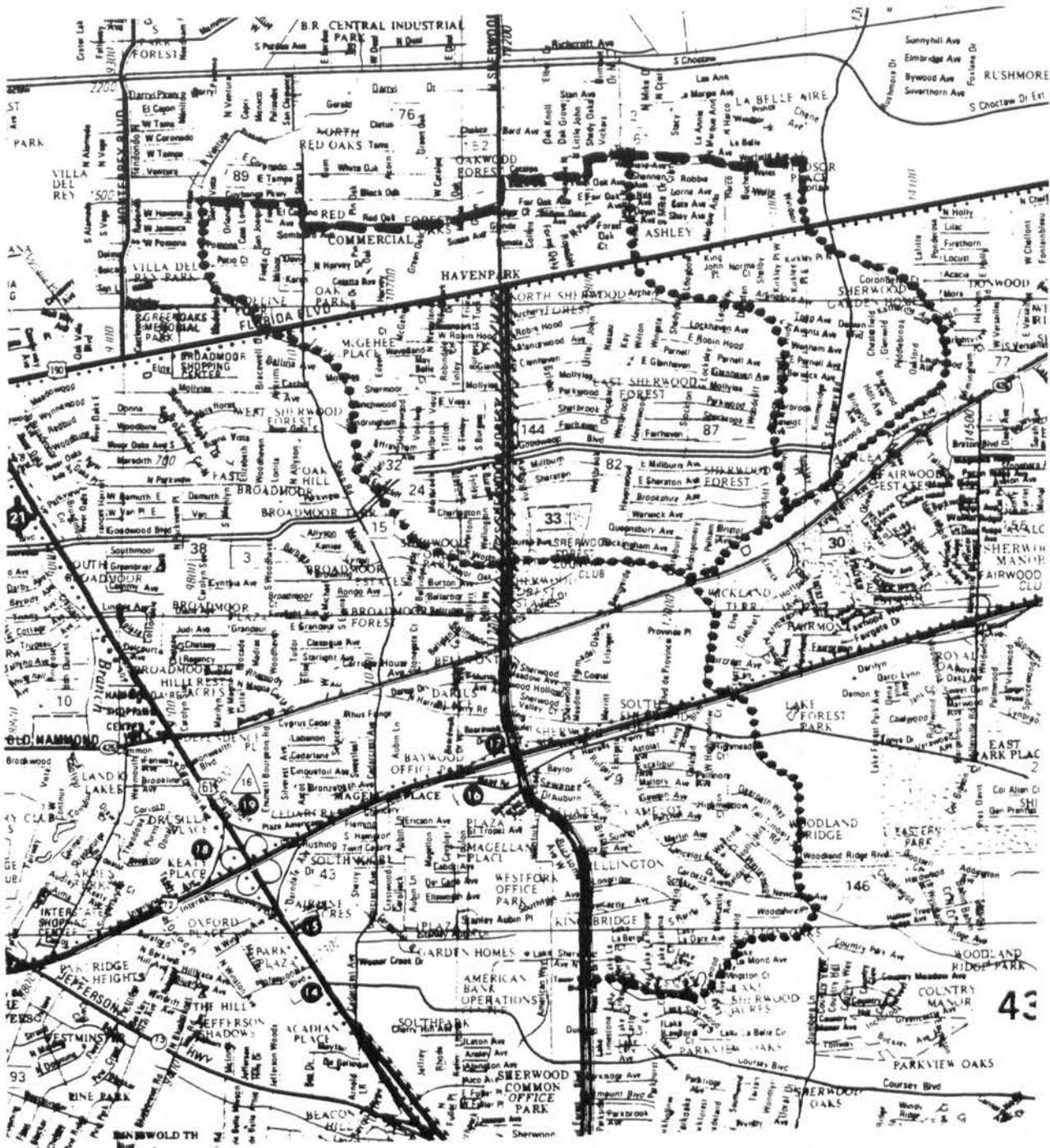
will be installed on the western side of Lively Bayou, facilitating the path crossing Lively Bayou tributary at its terminus with Lively Bayou, at that point, the path continues on the western bank of Lively Bayou. At the intersection of Lively Bayou and Old Hammond Highway, the path continues along the highway's northern right-of-way. A 150-foot-long by 10-foot-wide steel and wooden bridge will be placed along this right-of-way, crossing Jones Creek connecting the Lively Bayou bike path to the western side of the Jones Creek path. Along the entire approximate 11-mile bicycle trail, hardwood trees will be planted at an average spacing of 25 feet apart. Trees spaced at this distance, equal 211 trees per mile. These trees will add aesthetic appeal and shade to the bike path. See Figure 4 graphically illustrating the bike path route. Dots represent the project bike path, slashes represent an existing bike path, and dashes delineate the proposed street connector routes that contribute to a continuance "riding circuit". A bicyclist traversing the outer perimeter of the project will be able to complete a circular ride of 14 miles.

#### **RECREATIONAL FACILITIES**

The recreation plan, as stated above, delineates approximately 11 miles of recreation bike trail development along with hardwood trees planted at 25-foot intervals on each stream bank for a total of 422 per mile. The bicycle path will be placed upon the 10-foot by 4 inches thick concrete apron used for water collection (see Plate 48 of main report for graphic description). Two bridges will be needed to facilitate the bike path crossing streams. These bridges will be prefabricated steel bridges with wooden surfaces.

Two fences will be installed parallel to the bike path. A 4-foot chain link fence adjacent to the drainage stream and a 6-foot wooden security fence along the property owners boundary. The chain link fence is provided for safety and will protect bicyclists from falling into the stream where as the wooden fence will provide privacy and protect adjacent land owners from trespassers.





## JONES CREEK BICYCLE PLAN



Project bike path approximately 11 miles  
 Street connector route (non project)  
 Existing street bike path (non project)



Scale: 1.5" = 1.0 Miles

Figure 4

## **FACILITY DESIGN CRITERIA**

The design criteria are a composite of pertinent criteria in the Louisiana SCORP, Engineering Regulation 1110-2-400, Engineering Manual 1110-2-400, ER 1105-2-100, and section VII - Aesthetic Resources.

### Bike Path

Layout should provide for a variety of environmental experiences

Concrete at least 4 inches thick, 10 feet wide  
(see Plate 48 of main report, 4-inch reinforced concrete pavement doubles as bicycle path surface)

Clearing width ten feet minimum

Less than 10% gradient should be used

Interpretive markets where meaningful

Hardwood trees will be planted 25 feet on center  
alternating sides of the concrete path.

### Clearing, Grubbing, and Grading

The extent and impact of land clearing and grading operations will be minimized. Natural appearance and smooth transition to existing grade is desirable.

### Landscaping

Hardwood trees will be planted approximately 25 feet on center along the bike path, for a length of approximately 11 miles. These trees will be located between the bike path and 6-foot wooden fence to provide shade and contribute to a positive visual environment.

## **ANNUAL USE CALCULATIONS**

### **DEVELOPED RECREATION FACILITY USE**

Annual use is determined for the proposed project bicycle trail. The projected use of recreation development is required in order to calculate the benefit-cost relationship of this recreational feature.

Annual recreation attendance for recreational development has been calculated by the capacity method of determining recreational use. In using this method, recreational use is established in the first year of operation and again at the end of the project life. These use predictions are based on existing population estimates and future populations estimates at the end of the project life.

To determine annual use which is shown in Table 2, the optimum use standards of 30 users per mile are multiplied by the number of unit miles recommended for development. The design capacities were then multiplied by 91.5, the number of days in the summer of the year where use would most likely approach the facility design capacity. By determining high quarter bicycle use, annual attendance can be calculated.

Since one-third of the annual use occurs during the summer quarter of the year, two-thirds of use will occur during the other three quarters of the year. High quarter summer use of approximately 11 miles of bike path equals 30,195 users, therefore, annual use is estimated to be 99,664 user-days.

## **RECREATION VALUATIONS**

The Water Resources Council in "Procedures for Evaluation of National Economic Development (NED) Benefits and Costs in Water Resources Planning (Level C); Final Rule," describes several different methodologies for evaluating recreation benefits. The preferred means to forecast use is through using regional or site-specific use estimating models that employ the travel cost method or contingent value method to derive recreational benefits. However, the use of either of these methods depends on sufficient base data. No regional use estimating model exists for any area of Louisiana, nor is there a site-specific use estimator model (UEM) for this study. The application of the similar project method exists with adequate surveys and observations from which to extrapolate applicable per capita use rates. As sufficient excess demand was exhibited in the market area, the next

TABLE 2

## Annual Visitation and Benefits

Number of Facilities	Man-days Per Each Mi, Includes turn-over rate		One Day In High Quarter		Days In High Quarter		Man-days In High Quarter		Annualization Factor To Determine Annual Use		Annual Man-days		Unit Day Dollar Value		Annual Dollar Benefits
Bike Path	11.0 Miles		30		330		91.5		30,195		3.3		99,664		\$5.79   \$576,939

preferred method was employed, the capacity use method of determining recreation use. The capacity use methodology as it applies to this study has been used.

#### **UNIT DAY PRICE DETERMINATION**

Values used in this study were derived from the range of Unit Day Values provided by the Water Resources Council (WRC). The value ranges for recreation unit days contained in the WRC Principles and Standards for fiscal year 1993 are: General Recreation \$2.33 to \$7.00. Basically, general activities are thought of as those common to an area that are of normal quality.

Value selection from these ranges was determined by using the five criteria and standards that measure relative characteristics and attributes of the project area recreation features.

Project-related recreational activities are assigned a point value from the rating table provided in WRC Principles and Standards that measures recreation activities offered, available opportunity, carrying capacity, ease of access, and environmental quality. These values are applied to bicycling. Biking has been determined to have a value of 70 points which translates into \$5.79 per man-day. The unit day value of \$5.79 when multiplied by annual man-days of use established an economic base condition.

#### **RECREATION DEVELOPMENT BENEFIT/COST ANALYSIS**

##### **COST**

A cost estimate in 1993 dollars for the initial development of 11 miles of bicycle trail development is based upon facilities proposed in Table 3. A contingency factor of 25 percent has been included. Total estimated Real Estate cost is included in the cost for land acquired for project right-of-way. However, a separate \$2,000 fee is included within the recreation plan to upgrade the perpetual drainage servitude to outright fee title. Total first cost for recreational development is estimated to be \$1,138,000 (Table 3).

**TABLE 3**  
**BATON ROUGE PARISH RECREATION COSTS**

	Number of Units	Unit Cost	Total Cost
1. BICYCLE TRAIL Concrete 4 in thick, 10 ft wide, 10.5 miles Share use with water collection. Cost delineated in drainage section.	10.5 miles (55,440 lin. ft.)	costs borne by drainage improve- ments (See main report Chart of Accounts, p. 242 Table 76, Account Code 09013003. Drain ditch doubles as bike path surface)	
2. PRE FABRICATED BRIDGES 10'x50' steel w/wood surface	1	23,500	23,500
10'x150' steel w/wood surface	1	106,000	106,000
3. SIGNS AND MARKERS	20	160	3,200
4. LANDSCAPING 422 hardwood trees per mile x 11 mi = 4,642 (both banks planted)	4,431	15	66,465
5. WOODEN SECURITY FENCE (6 ft high)	10.5 miles	12.80 linear ft	<u>709,632</u>
SUBTOTAL			908,797
25% CONTINGENCIES			<u>227,203</u>
RECREATION COST			1,136,000
6. UPGRADE PERPETUAL DRAINAGE SERVITUDE TO OUTRIGHT FEE TITLE			<u>2,000</u>
7. TOTAL PROJECT RECREATION COST			<u>1,138,000</u>



Two percent of the total first costs is used for estimating annual operation and maintenance. The operation, maintenance, and replacement costs (\$25,000) will be borne by the local sponsor. These costs apply to the O&M of the bike path, bridges, signs, and landscaping proposed in the recreation plan.

#### **REPLACEMENTS**

Replacements and renovations will occur 25 years into project life. These renovations include resurfacing the bike path with asphalt, painting and replacing wood surface, two bridges, replacing signs and markers, replacing chainlink and wood fences, and tree replacements.

Costs:

Bridge renovations	\$ 9,850
Replacing signs and markers	1,600
Tree replacements @ 1/3 original cost	23,200
Replacing/repairing 2 fences	<u>550,650</u>
Total	\$584,650

NOTE: Cost of bike path resurfacing is borne by maintenance of the concrete water collection apron on which the bike path exists.

#### **BENEFITS**

Benefits for the recreational features are determined by multiplying unit day dollar values by projected annual use. The result equals the total annual dollar benefit attributable to the recreational plan features. Annual benefits are estimated to be 99,664 man-days and \$576,939, as identified in Table 2.

The benefit/cost ratio for the recreational component of the plan is 4.6 to 1. This b/c ratio fully justifies recreational development. First costs for construction are estimated to be \$1,138,000 and annual benefits are estimated at \$576,939.

**APPENDIX E**

**SECTION 4**

**ENDANGERED SPECIES COORDINATION**

#### Section 4

#### THREATENED AND ENDANGERED SPECIES

Within this section are those items of correspondence relative to threatened and endangered species and areas of local concern. These items are provided as supporting information regarding (1) Federally listed threatened and endangered species and (2) items of local concern by the State of Louisiana, Natural Heritage Program.



# United States Department of the Interior



## FISH AND WILDLIFE SERVICE

825 Kaliste Saloom Road  
Brandwine Bldg. II, Suite 102  
Lafayette, Louisiana 70508

May 3, 1993

Mr. R.H. Schroeder, Jr.  
Chief, Planning Division  
U.S. Army Corps of Engineers  
Post Office Box 60267  
New Orleans, Louisiana 70160

Dear Mr. Schroeder:

Reference is made to your April 27, 1993, letter concerning the East Baton Rouge Parish, Louisiana, study and the presence of Federally listed threatened or endangered species within the study area. The Fish and Wildlife Service (Service) has reviewed the information provided and submits the following comments in accordance with provision of the Endangered Species Act of 1973, as amended.

The inflated heelsplitter is a threatened mussel found in the Amite River. Of the watersheds to be impacted by the proposed project, only Jones Creek flows directly into the Amite River. Work proposed for the lower end of Jones Creek is limited to minimal clearing and snagging. Therefore, the Service anticipates no adverse affect to the inflated heelsplitter as a result of the proposed work. Should the location or scope of the work be altered, the Service should be contacted for further consultation.

As mentioned in our draft Fish and Wildlife Coordination Act report dated February 1991, a bald eagle's nest is located within one mile of the confluence of Bayou Fountain and Bayou Manchac. This particular nest has not been active since the 1990 nesting season; however, the eagle pair may return to the same nest or possibly build another nest in the same area. The Corps should contact the Service prior to contracting any work proposed within one mile of the existing nest to determine if the nest is occupied. If the nest is occupied, further consultation may be necessary.

We appreciate the opportunity to provide additional information regarding Federally listed species within the study area. Should you have any questions regarding our input, please contact Terry Rabot (318/264-6630) of this office.

Sincerely yours,

*David W. Frugé*  
David W. Frugé  
Field Supervisor



DEPARTMENT OF THE ARMY

NEW ORLEANS DISTRICT, CORPS OF ENGINEERS

P.O. BOX 60267

NEW ORLEANS, LOUISIANA 70160-0267

REPLY TO  
ATTENTION OF:

April 27, 1993

Planning Division  
Environmental Analysis Branch

Mr. Dave Fruge'  
Field Supervisor  
U.S. Fish and Wildlife Service  
Brandywine Bldg II, Suite 102  
825 Kaliste Saloom Road  
Lafayette, Louisiana 70508

Dear Mr. Fruge':


Reference is made to (1) our letter of May 11, 1990 presenting project information and requesting information on threatened or endangered species in the East Baton Rouge Parish study area and (2) your responding letter of May 30, 1990.

Since that time the project has been changed by the refinements of alternatives. The project alternatives that are being addressed within the Environmental Impact Statement are included in the attached table. The Tentatively Selected Plan for each watershed is indicated by asterisks.

Please provide any additional information and/or your recommendations regarding current requirements.

Mr. Bill Wilson can be contacted at 504-362-2527 if questions arise.

Sincerely

  
R. H. Schroeder, Jr.  
Chief, Planning Division

Encl.



VIRGINIA VAN SICKLE  
SECRETARY

DEPARTMENT OF WILDLIFE AND FISHERIES  
POST OFFICE BOX 98000  
BATON ROUGE, LA. 70898  
PHONE (504) 765-2800

BUDDY ROEMER  
GOVERNOR

24 May 1990

R. H. Schroeder, Jr., Chief  
Planning Division  
Department of the Army  
New Orleans District, Corps of Engineers  
P. O. Box 60267  
New Orleans, Louisiana 70160-0267

Dear Mr. Schroeder:

This letter is in response to your letter dated 11 May 1990 requesting information on rare species or significant natural features that occur in the area being investigated under the East Baton Rouge Parish portion of the Amite River and Tributaries Study.

We have reviewed our database and have determined that a significant natural habitat occurs along Ward Creek, on LSU Burden Research Plantation. The habitat is a virgin or old-growth Prairie Terrace Loess Forest that is currently registered with the Louisiana Natural Areas Registry Program. I have enclosed a copy of our Element Occurrence Record from which you may extract basic details relevant to this forest.

If you would like additional information on this site, you may contact the Louisiana Nature Conservancy at 504-339-1040 and/or Mr. John Dutton at 504-765-2437 with Burden Research Plantation. Thank you for the opportunity to provide input in this matter.

Sincerely,

Gary D. Lester  
Coordinator

GDL:LMS:acc  
Enclosure





UNITED STATES DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration  
NATIONAL MARINE FISHERIES SERVICE

Southeast Region  
9450 Koger Boulevard  
St. Petersburg, FL 33702

July 9, 1990

F/SER23:TLD

Mr. R. H. Schroeder, Jr.  
Chief, Planning Division  
U.S. Dept. of the Army  
New Orleans District, COE  
Post Office Box 60267  
New Orleans, LA 70160-0267

Dear Mr. Schroeder:

This responds to your July 5, 1990 letter regarding the East Baton Rouge Parish portion of the Amite River and Tributaries study. A Biological Assessment (BA) was submitted pursuant to Section 7 of the Endangered Species Act of 1973 (ESA).

We have reviewed the BA and concur with your determination that populations of endangered/threatened species under our purview would not be adversely affected by the proposed action.

This concludes consultation responsibilities under Section 7 of the ESA. However, consultation should be reinitiated if new information reveals impacts of the identified activity that may affect listed species or their critical habitat, a new species is listed, the identified activity is subsequently modified or critical habitat determined that may be affected by the proposed activity.

If you have any questions, please contact Dr. Terry Henwood, Fishery Biologist at 813/893-3366.

Sincerely yours,

Charles A. Oravetz, Chief  
Protected Species Management Branch

cc: F/SER1  
F/PR2



R. Be

JUL 5 1990

Planning Division  
Environmental Analysis Branch

Mr. Charles A. Oravetz  
Chief  
Protected Species Management Branch  
National Marine Fisheries Service  
Southeast Regional Office  
9450 Koger Boulevard  
St. Petersburg, Florida 33702

Dear Mr. Oravetz:

Your letter of June 20, 1990, listed protected species of whales and sea turtles that may be affected by actions resulting from the East Baton Rouge Parish portion of the Corps' Amite River and Tributaries Study. This study addresses flood control on five small streams in East Baton Rouge Parish, Louisiana (Enclosure 1).

Plans under investigation include clearing and snagging, channel widening and deepening, and channel lining. These small streams are tributaries of the Amite River, which flows into Lake Maurepas about 20 miles downstream. Lake Maurepas is connected to Lake Pontchartrain by Pass Manchac. According to published literature, as well as Louisiana Department of Wildlife and Fisheries personnel and Cooperative Extension Service Fisheries agents, sea turtles have been reported only rarely from Lake Pontchartrain and not at all from Lake Maurepas. Whales do not occur in these inshore waters.

We anticipate that actions resulting from this study would have a negligible effect on the estuarine and marine environment and, therefore, conclude that sea turtles and whales would not be detrimentally impacted. Please advise us if you agree with our assessment.

If you require additional information, please contact Mr. Richard Boe at (504) 862-1505,

Sincerely,

R. H. Schroeder, Jr.  
Chief, Planning Division

Enclosure

E-4-6

HAWES  
CELMN-PD-R  
10/27/93  
WEBER  
CELMN-PD-R  
11/3/93  
KLIEBERT  
CELMN-PD-F  
BUISSON  
CELMN-PD-A  
SCHROEDER  
CELMN-PD



UNITED STATES DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration  
NATIONAL MARINE FISHERIES SERVICE

Southeast Regional Office  
9450 Koger Boulevard  
St. Petersburg, FL 33702

June 20, 1990

F/SER23:TLS

R. H. Schroeder, Jr.  
Chief, Planning Division  
U.S. Dept. of the Army  
New Orleans District, COE  
Post Office Box 60267  
New Orleans, LA 70160-0267

Dear Mr. Schroeder:

This responds to your June 15, 1990 letter requesting information on endangered and threatened species under the jurisdiction of the National Marine Fisheries Service (NMFS) which might occur in the vicinity of the proposed project. The enclosed list contains species under NMFS purview that may occur in the marine environment off Louisiana.

If you have any questions, please contact Dr. Terry Henwood, Fishery Biologist, at FTS 826-3366.

Sincerely yours,

*Terry Henwood*  
for Charles A. Oravetz, Chief  
Protected Species Management Branch

Enclosure



ENDANGERED AND THREATENED SPECIES AND CRITICAL HABITATS  
UNDER  
NMFS JURISDICTION

Louisiana

<u>Listed Species</u>	<u>Scientific Name</u>	<u>Status</u>	<u>Date Listed</u>
finback whale	<u>Balaenoptera physalus</u>	E	12/02/70
humpback whale	<u>Megaptera novaeangliae</u>	E	12/02/70
right whale	<u>Eubaleana glacialis</u>	E	12/02/70
sei whale	<u>Balaenoptera borealis</u>	E	12/02/70
sperm whale	<u>Physeter catodon</u>	E	12/02/70
green sea turtle	<u>Chelonia mydas</u>	Th	07/28/78
hawksbill sea turtle	<u>Eretmochelys imbricata</u>	E	06/02/70
Kemp's (Atlantic) ridley sea turtle	<u>Lepidochelys kempi</u>	E	12/02/70
leatherback sea turtle	<u>Dermochelys coriacea</u>	E	06/02/70
loggerhead sea turtle	<u>Caretta caretta</u>	Th	07/28/78

SPECIES PROPOSED FOR LISTING

None

LISTED CRITICAL HABITAT

None

PROPOSED CRITICAL HABITAT

None

**APPENDIX E**

**SECTION 5**

**404(b)(1) EVALUATIONS**

The following short form 404(b)(1) evaluation follows the format designed by the Office of the Chief of Engineers, (OCE). As a measure to avoid unnecessary paperwork and to streamline regulation procedures while fulfilling the spirit and intent of environmental statutes, New Orleans District is using this format for all proposed project elements requiring 404 evaluation, but involving no significant impact.

PROJECT TITLE.    **East Baton Rouge Parish \ Jones Creek Basin**

PROJECT DESCRIPTION

The Recommended Plan for Jones Creek consists of clearing and snagging approximately 3.4 miles and enlarging approximately 16.3 miles of channel. Improvements are on the main stem, two main tributaries, and one sub-tributary. The proposed channel design calls for a five-foot bottom width with 3.5:1 sloped banks. Both the channel bottom and banks are to be lined with concrete. This design remains constant for each of the listed channel reaches with the exception of the most downstream segment of Jones Creek. In this reach only clearing and snagging is proposed. Work is to be performed from within the channel banks with boom and bucket type equipment. Concrete lining will be poured in place. A temporary low flow channel will be constructed as necessary within the present channel area. Material excavated is to be disposed of in a landfill. The material to be placed or deposited into waters of the U.S., including wetlands, consists of the following: (1) sand - 61,600 cu.yds., (2) filter drain fabric - 1,889,200 sq.yds., and (3) concrete - 229,600 cu.yds.

1. Review of Compliance (\$230.10 (a)-(d)).

Preliminary<sup>1</sup>

Final<sup>2</sup>

A review of this project indicates that:

a. The discharge represents the least environmentally damaging practicable alternative and if in a special aquatic site, the activity associated with the discharge must have direct access or proximity to, or be located in the aquatic ecosystem to fulfill its basic purpose (if no, see section 2 and information gathered for environmental assessment alternative); . . . . .

YES

NO\*

YES

NO

b. The activity does not appear to: (1) violate applicable state water quality standards or effluent standards prohibited under Section 307 of the Clean Water Act; (2) jeopardize the existence of Federally listed endangered or threatened species or their habitat; and (3) violate requirements of any Federally designated marine sanctuary (if no, see section 2b for (1) and check responses from resource and water quality certifying agencies); . . . . .

YES

NO\*

YES

NO

c. The activity will not cause or contribute to significant degradation of waters of the United States including adverse effects on human health, life stages of organisms dependent on the aquatic ecosystem, ecosystem diversity, productivity and stability, and recreational, esthetic, and economic values (if no, see section 2); . . . . .

YES

NO\*

YES

NO

d. Appropriate and practicable steps have been taken to minimize potential adverse impacts of the discharge on the aquatic ecosystem (if no, see section 5). . .

YES

NO\*

YES

NO

1, 2. \* See Page 4



2. Technical Evaluation Factors (Subparts C-F).<sup>3</sup>

	<u>N/A</u>	<u>Not Significant</u>	<u>Significant*</u>
a. Physical and Chemical Characteristics of the Aquatic Ecosystem (Subpart C).			
(1) Substrate impacts. . . . .			X
(2) Suspended particulates/turbidity impacts. . . . .		X	
(3) Water column impacts. . . . .		X	
(4) Alteration of current patterns and water circulation. . . . .		X	
(5) Alteration of normal water fluctuations/hydroperiod. . . . .		X	
(6) Alteration of salinity gradients. . . . .	X		
b. Biological Characteristics of the Aquatic Ecosystem (Subpart D).			
(1) Effect on threatened/endangered species and their habitat. . . . .		X	
(2) Effect on the aquatic food web. . . . .		X <sup>1</sup>	
(3) Effect on other wildlife (mammals, birds, reptiles, and amphibians). . . . .		X <sup>2</sup>	
c. Special Aquatic Sites (Subpart E).			
(1) Sanctuaries and refuges. . . . .	X		
(2) Wetlands. . . . .		X	
(3) Mud flats. . . . .	X		
(4) Vegetated shallows. . . . .		X	
(5) Coral reefs. . . . .	X		
(6) Riffle and pool complexes. . . . .	X		
d. Human Use Characteristics (Subpart F).			
(1) Effects on municipal and private water supplies. . . . .	X		
(2) Recreational and commercial fisheries impacts. . . . .		X	
(3) Effects on water-related recreation. . . . .		X	
(4) Esthetic impacts. . . . .		X <sup>3</sup>	
(5) Effects on parks, national and historical monuments, national seashores, wilderness areas, research sites, and similar preserves. . . . .	X		

Remarks. Where a check is placed under the significant category, preparer has attached an explanation below.

<sup>1</sup> Placement of concrete will not provide the substrate for aquatic organisms. Accumulation of sediments will occur rapidly and another community will develop thereon. Therefore, not significant.

<sup>2</sup> Mammals, reptiles, and amphibians will be effected; birds will initially, but not for the long term.

<sup>3</sup> Aesthetic losses caused by loss of top-of-bank vegetation would have been significant but included are plans to plant trees and shrubs at areas of concern to mitigate the losses that would occur.

3. Evaluation of Dredged or Fill Material (Subpart G).

a. The following information has been considered in evaluating the biological availability of possible contaminants in dredged or fill material.			
(1) Physical characteristics . . . . .		X	
(2) Hydrography in relation to known or anticipated sources of contaminants . . . . .		X	
(3) Results from previous testing of the material or similar material in the vicinity of the project . . . . .		X	
(4) Known, significant sources of persistent pesticides from land runoff or percolation . . . . .			
(5) Spill records for petroleum products or designated (Section 311 of CWA) hazardous substances . . . . .		X	
(6) Other public records of significant introduction of contaminants from industries, municipalities, or other sources . . . . .		X	
(7) Known existence of substantial material deposits of substances which could be released in harmful quantities to the aquatic environment by man-induced discharge activities . . . . .			
(8) Other sources (specify) . . . . .			

Appropriate references:

(1) Amite River and Tributaries, East Baton Rouge Parish Feasibility Study - Water Quality Report, February 11, 1993.

(2) USEPA Superfund Program CERCLIS Inventory, December, 1992.

b. An evaluation of the appropriate information in 3a above indicates that there is reason to believe the proposed dredge or fill material is not a carrier of contaminants, or the material meets the testing exclusion criteria. . . . . YES NO

<sup>3</sup> See Page 4

4. Disposal Site Delineation (\$230.11(f)).

a. The following factors, as appropriate, have been considered in evaluating the disposal site.

(1) Depth of water at disposal site . . . . .	_____
(2) Current velocity, direction, and variability at disposal site . . . . .	_____
(3) Degree of turbulence . . . . .	_____
(4) Water column stratification . . . . .	_____
(5) Discharge vessel speed and direction . . . . .	_____
(6) Rate of discharge . . . . .	_____
(7) Dredged material characteristics (constituents, amount, and type of material, settling velocities) . . . . .	X
(8) Number of discharges per unit of time . . . . .	_____
(9) Other factors affecting rates and patterns of mixing (specify) . . . . .	X

Appropriate references:

Same as 3(a)

b. An evaluation of the appropriate factors in 4a above indicates that the disposal site and/or size of mixing zone are acceptable . . . . . YES NO\*

5. Actions to Minimize Adverse Effects (Subpart H).

All appropriate and practicable steps have been taken, through application of the recommendations of \$230.70-230.77 to ensure minimal adverse effects of the proposed discharge . . . . . YES NO\*

Actions taken:

(1) Concrete lining was planned to minimize the adverse consequences of erosion and to maximize hydraulic efficiency

(2) A low flow channel will be constructed to pass storms during project construction.

(3) Measures will be incorporated to mitigate aesthetic impacts.

6. Factual Determination (\$230.11).

A review of appropriate information as identified in items 2-5 above indicates that there is minimal potential for short- or long-term environmental effects of the proposed discharge as related to:

a. Physical substrate at the disposal site (review sections 2a, 3, 4, and 5 above) . . . . .	YES	NO*
b. Water circulation, fluctuation and salinity (review sections 2a, 3, 4, and 5) . . . . .	YES	NO*
c. Suspended particulates/turbidity (review sections 2a, 3, 4, and 5) . . . . .	YES	NO*
d. Contaminant availability (review sections 2a, 3, and 4). . . . .	YES	NO*
e. Aquatic ecosystem structure and function (review sections 2b, and c, 3, and 5) . . . . .	YES	NO*
f. Disposal site (review sections 2, 4, and 5) . . . . .	YES	NO*
g. Cumulative impact on the aquatic ecosystem . . . . .	YES	NO*
h. Secondary impacts on the aquatic ecosystem . . . . .	YES	NO*

\* See Page 4

\* A negative, significant, or unknown response indicates that the project may not be in compliance with the Section 404(b)(1) Guidelines.

<sup>1</sup> Negative responses to three or more of the compliance criteria at this stage indicates that the proposed projects may not be evaluated using this "short form procedure". Care should be used in assessing pertinent portions of the technical information of items 2a-d, before completing the final review of compliance.

<sup>2</sup> Negative responses to one of the compliance criteria at this stage indicates that the proposed project does not comply with the guidelines. If the economics of navigation and anchorage of Section 404(b)(2) are to be evaluated in the decision-making process, the "short form" evaluation process is inappropriate.

<sup>3</sup> If the dredged or fill material cannot be excluded from individual testing, the "short form" evaluation process is inappropriate.

7. Evaluation Responsibility.

a. Water Quality input was prepared by: Julie Z. LeBlanc

Position: Hydraulic Engineer GS-11

Date: 23 April 1993

b. Biological input was prepared by: William C. Wilson

Position: Biologist

Date: 7 Jul 1994

c. This evaluation was reviewed by: R.H. Schroeder Jr.

Position: Chief, Planning Division

Date: \_\_\_\_\_

8. Findings.

a. The proposed disposal site for discharge of dredged or fill material complies with the Section 404(b)(1) guidelines . . . . . X

b. The proposed disposal site for discharge of dredged or fill material complies with the Section 404(b)(1) guidelines with the inclusion of the following conditions . . . . . \_\_\_\_\_

c. The proposed disposal site for discharge of dredged or fill material does not comply with the Section 404(b)(1) guidelines for the following reason(s):

(1) There is a less damaging practicable alternative . . . . . \_\_\_\_\_

(2) The proposed discharge will result in significant degradation of the aquatic ecosystem . . . . . \_\_\_\_\_

(3) The proposed discharge does not include all practicable and appropriate measures to minimize potential harm to the aquatic ecosystem . . . . . \_\_\_\_\_

\_\_\_\_\_  
Date

\_\_\_\_\_  
Kenneth H. Clow  
Colonel, U.S. Army  
District Engineer

The following short form 404(b)(1) evaluation follows the format designed by the Office of the Chief of Engineers, (OCE). As a measure to avoid unnecessary paperwork and to streamline regulation procedures while fulfilling the spirit and intent of environmental statutes, New Orleans District is using this format for all proposed project elements requiring 404 evaluation, but involving no significant impact.

PROJECT TITLE.    **East Baton Rouge Parish \ Ward Creek Basin**

PROJECT DESCRIPTION

The Recommended Plan for Ward Creek involves work on 14.2 miles of channel. It consists of clearing and snagging of the main stem, not including the newly enlarged and relocated section. Minimal clearing and snagging will be done for a portion of Dawson Creek. A section of North Branch, between and including I-10 to I-12, will be concrete lined with a 32-foot bottom width and 3:1 sloped banks. An existing paved section in the reach will remain. Both the channel bottom and banks are to be lined with concrete. Work is to be performed from within the channel banks with boom and bucket type equipment. Concrete lining will be poured in place. A temporary low flow channel will be constructed as necessary within the present channel area. Earthen and vegetative material excavated is to be disposed of in Mississippi River levee borrow pits near the junction of Gardere Lane with the river road. Other non-vegetative debris would be hauled to the city/parish landfill. The material to be placed or deposited into waters of the U.S., including wetlands, by channel construction material consists of the following: (1) sand - 26,300 cu.yds., (2) filter drain fabric - 118,200 sq.yds., and (3) concrete - 45,800 cu.yds. The material to be deposited in the Mississippi River borrow pits consists of approximately 147,000 cu.yds. of material taken from the channel of Ward Creek. That amount of material will occupy approximately 7 borrow pit acres assuming an average depth of 15 feet and 1 on 2 side slopes.

1. Review of Compliance (\$230.10 (a)-(d)).

Preliminary<sup>1</sup>

Final<sup>2</sup>

A review of this project indicates that:

a. The discharge represents the least environmentally damaging practicable alternative and if in a special aquatic site, the activity associated with the discharge must have direct access or proximity to, or be located in the aquatic ecosystem to fulfill its basic purpose (if no, see section 2 and information gathered for environmental assessment alternative); . . . . .

YES

NO\*

YES

NO

b. The activity does not appear to: (1) violate applicable state water quality standards or effluent standards prohibited under Section 307 of the Clean Water Act; (2) jeopardize the existence of Federally listed endangered or threatened species or their habitat; and (3) violate requirements of any Federally designated marine sanctuary (if no, see section 2b for (1) and check responses from resource and water quality certifying agencies); . . . . .

YES

NO\*

YES

NO

c. The activity will not cause or contribute to significant degradation of waters of the United States including adverse effects on human health, life stages of organisms dependent on the aquatic ecosystem, ecosystem diversity, productivity and stability, and recreational, esthetic, and economic values (if no, see section 2); . . . . .

YES

NO\*

YES

NO

d. Appropriate and practicable steps have been taken to minimize potential adverse impacts of the discharge on the aquatic ecosystem (if no, see section 5). . .

YES

NO\*

YES

NO

1. 2. \* See Page 4

2. Technical Evaluation Factors (Subparts C-F).<sup>3</sup>

N/A      Not Significant      Significant\*

- a. Physical and Chemical Characteristics of the Aquatic Ecosystem (Subpart C).
- |   |   |   |   |
|---|---|---|---|
| (1) Substrate impacts. . . . .                                    |   |   | X |
| (2) Suspended particulates/turbidity impacts. . . . .             |   | X |   |
| (3) Water column impacts. . . . .                                 |   | X |   |
| (4) Alteration of current patterns and water circulation. . . . . |   | X |   |
| (5) Alteration of normal water fluctuations/hydroperiod. . . . .  |   | X |   |
| (6) Alteration of salinity gradients. . . . .                     | X |   |   |
- b. Biological Characteristics of the Aquatic Ecosystem (Subpart D).
- |  |  |                |  |
|--|--|----------------|--|
| (1) Effect on threatened/endangered species and their habitat. . . . .           |  | X              |  |
| (2) Effect on the aquatic food web. . . . .                                      |  | X <sup>1</sup> |  |
| (3) Effect on other wildlife (mammals, birds, reptiles, and amphibians). . . . . |  | X <sup>2</sup> |  |
- c. Special Aquatic Sites (Subpart E).
- |  |   |   |  |
|--|---|---|--|
| (1) Sanctuaries and refuges. . . . .   | X |   |  |
| (2) Wetlands. . . . .                  |   | X |  |
| (3) Mud flats. . . . .                 | X |   |  |
| (4) Vegetated shallows. . . . .        |   | X |  |
| (5) Coral reefs. . . . .               | X |   |  |
| (6) Riffle and pool complexes. . . . . | X |   |  |
- d. Human Use Characteristics (Subpart F).
- |   |   |                |  |
|---|---|----------------|--|
| (1) Effects on municipal and private water supplies. . . . .  | X |                |  |
| (2) Recreational and commercial fisheries impacts. . . . .  |   | X              |  |
| (3) Effects on water-related recreation. . . . .  |   | X              |  |
| (4) Esthetic impacts. . . . .   |   | X <sup>3</sup> |  |
| (5) Effects on parks, national and historical monuments, national seashores, wilderness areas, research sites, and similar preserves. . . . . | X |                |  |

Remarks. Where a check is placed under the significant category, preparer has attached an explanation below.

<sup>1</sup> Placement of concrete will not provide the substrate for aquatic organisms. Accumulation of sediments will occur rapidly and another community will develop thereon. Therefore, not significant. Fill of borrow pits will impact aquatic species but leaving a shallow depression will allow retention of wetland characteristics.

<sup>2</sup> Mammals, reptiles, and amphibians will be adversely effected; birds will initially, but not for the long term. Fill of borrow pits will create habitat for woodland, including wetland, species.

<sup>3</sup> Aesthetic losses caused by loss of top-of-bank vegetation would have been significant but included are plans to plant trees and shrubs at areas of concern to mitigate those losses that would occur.

3. Evaluation of Dredged or Fill Material (Subpart G).

- a. The following information has been considered in evaluating the biological availability of possible contaminants in dredged or fill material.

- |   |   |
|---|---|
| (1) Physical characteristics . . . . .  | X |
| (2) Hydrography in relation to known or anticipated sources of contaminants . . . . .   | X |
| (3) Results from previous testing of the material or similar material in the vicinity of the project . . . . .  | X |
| (4) Known, significant sources of persistent pesticides from land runoff or percolation . . . . .   |   |
| (5) Spill records for petroleum products or designated (Section 311 of CWA) hazardous substances . . . . .  | X |
| (6) Other public records of significant introduction of contaminants from industries, municipalities, or other sources . . . . .  | X |
| (7) Known existence of substantial material deposits of substances which could be released in harmful quantities to the aquatic environment by man-induced discharge activities . . . . . |   |
| (8) Other sources (specify) . . . . .   |   |

Appropriate references:

- (1) Amite River and Tributaries, East Baton Rouge Parish Feasibility Study - Water Quality Report, February 11, 1993.
- (2) USEPA Superfund Program CERCLIS Inventory, December, 1992.

- b. An evaluation of the appropriate information in 3a above indicates that there is reason to believe the proposed dredge or fill material is not a carrier of contaminants, or the material meets the testing exclusion criteria. . . . . YES NO

<sup>3</sup> See Page 4

4. Disposal Site Delineation (\$230.11(f)).

a. The following factors, as appropriate, have been considered in evaluating the disposal site.

(1) Depth of water at disposal site . . . . .	X
(2) Current velocity, direction, and variability at disposal site . . . . .	X
(3) Degree of turbulence . . . . .	
(4) Water column stratification . . . . .	
(5) Discharge vessel speed and direction . . . . .	
(6) Rate of discharge . . . . .	
(7) Dredged material characteristics (constituents, amount, and type of material, settling velocities) . . . . .	X
(8) Number of discharges per unit of time . . . . .	
(9) Other factors affecting rates and patterns of mixing (specify) . . . . .	

Appropriate references:

Same as 3(a)

b. An evaluation of the appropriate factors in 4a above indicates that the disposal site and/or size of mixing zone are acceptable . . . . . YES NO\*

5. Actions to Minimize Adverse Effects (Subpart H).

All appropriate and practicable steps have been taken, through application of the recommendations of \$230.70-230.77 to ensure minimal adverse effects of the proposed discharge . . . . . YES NO\*

Actions taken:

a. Concrete lining was planned to minimize the adverse consequences of erosion and to maximize hydraulic efficiency

b. A low flow channel will be constructed to pass storms during project construction.

c. Tree planting will be incorporated to mitigate aesthetic impacts in areas of significant loss.

d. Disposal material will be stacked so that after anticipated settlement, surface elevations are from approximately 6 inches below to level with adjacent batture elevations.

6. Factual Determination (\$230.11).

A review of appropriate information as identified in items 2-5 above indicates that there is minimal potential for short- or long-term environmental effects of the proposed discharge as related to:

a. Physical substrate at the disposal site (review sections 2a, 3, 4, and 5 above) . . . . .	YES	NO*
b. Water circulation, fluctuation and salinity (review sections 2a, 3, 4, and 5) . . . . .	YES	NO*
c. Suspended particulates/turbidity (review sections 2a, 3, 4, and 5) . . . . .	YES	NO*
d. Contaminant availability (review sections 2a, 3, and 4). . . . .	YES	NO*
e. Aquatic ecosystem structure and function (review sections 2b, and c, 3, and 5) . . . . .	YES	NO*
f. Disposal site (review sections 2, 4, and 5) . . . . .	YES	NO*
g. Cumulative impact on the aquatic ecosystem . . . . .	YES	NO*
h. Secondary impacts on the aquatic ecosystem . . . . .	YES	NO*

\* See Page 4



\* A negative, significant, or unknown response indicates that the project may not be in compliance with the Section 404(b)(1) Guidelines.

<sup>1</sup> Negative responses to three or more of the compliance criteria at this stage indicates that the proposed projects may not be evaluated using this "short form procedure". Care should be used in assessing pertinent portions of the technical information of items 2a-d, before completing the final review of compliance.

<sup>2</sup> Negative responses to one of the compliance criteria at this stage indicates that the proposed project does not comply with the guidelines. If the economics of navigation and anchorage of Section 404(b)(2) are to be evaluated in the decision-making process, the "short form" evaluation process is inappropriate.

<sup>3</sup> If the dredged or fill material cannot be excluded from individual testing, the "short form" evaluation process is inappropriate.

7. Evaluation Responsibility.

a. Water Quality input was prepared by: Julie Z. LeBlanc

Position: Hydraulic Engineer GS-11

Date: 11 August 1993

b. Biological input was prepared by: William C. Wilson

Position: Biologist

Date: 7 July 1994

c. This evaluation was reviewed by: R.H. Schroeder Jr.

Position: Chief, Planning Division

Date: \_\_\_\_\_

8. Findings.

a. The proposed disposal site for discharge of dredged or fill material complies with the Section 404(b)(1) guidelines . . . . . X

b. The proposed disposal site for discharge of dredged or fill material complies with the Section 404(b)(1) guidelines with the inclusion of the following conditions . . . . . \_\_\_\_\_

c. The proposed disposal site for discharge of dredged or fill material does not comply with the Section 404(b)(1) guidelines for the following reason(s):

(1) There is a less damaging practicable alternative . . . . . \_\_\_\_\_

(2) The proposed discharge will result in significant degradation of the aquatic ecosystem . . . . . \_\_\_\_\_

(3) The proposed discharge does not include all practicable and appropriate measures to minimize potential harm to the aquatic ecosystem . . . . . \_\_\_\_\_

\_\_\_\_\_  
Date

\_\_\_\_\_  
Kenneth H. Clow  
Colonel, U.S. Army  
District Engineer

The following short form 404(b)(1) evaluation follows the format designed by the Office of the Chief of Engineers, (OCE). As a measure to avoid unnecessary paperwork and to streamline regulation procedures while fulfilling the spirit and intent of environmental statutes, New Orleans District is using this format for all proposed project elements requiring 404 evaluation, but involving no significant impact.

**PROJECT TITLE.    East Baton Rouge Parish \ Bayou Fountain Basin**

**PROJECT DESCRIPTION**

The Recommended Plan for Bayou Fountain consists of clearing and or widening approximately 11 miles of channel designed to convey a 10-year storm event within stream banks. Improvements are from the bayou's mouth upstream to Ben Hur Road. Clearing and snagging would be done to the entire bayou with the exception of a 2.9-mile segment between Seigen and Gardere Lanes. Channel widening is proposed in this area and would consist of construction of a 50-foot bottom width with 3:1 side slopes. It is proposed that improvements be made to one major obstruction, a 60-inch sewer main crossing located at Mile 53.8. A concrete "U channel" would be constructed under the main. Riprap would be placed both upstream and downstream of the "U channel". The concrete would be underlain with a filter drain fabric on an 8-inch sand layer. Concrete lining would be poured in place. Earthen and vegetative material excavated is to be disposed of in Mississippi River levee borrow pits across the levee from the west end of Gardere Lane. Non-vegetative debris would be hauled to the city/parish landfill. The material to be placed or deposited at the "U channel" site consists of the following: (1) sand - 160 cu.yds., (2) filter drain fabric - 6,460 sq.yds., (3) concrete - 260 cu.yds., (4) riprap - 890 tons. The excavated or cleared and snagged material to be deposited in the Mississippi River borrow pits near the junction of Gardere Lane with the river road. The material consists of approximately 283,000 cu.yds. of material taken from the channel of Bayou Fountain. That amount of material will occupy approximately 14 borrow pit acres assuming an average depth of 15 feet and 1 on 2 side slopes.

**1. Review of Compliance (\$230.10 (a)-(d)).**

Preliminary<sup>1</sup>

Final<sup>2</sup>

A review of this project indicates that:

a. The discharge represents the least environmentally damaging practicable alternative and if in a special aquatic site, the activity associated with the discharge must have direct access or proximity to, or be located in the aquatic ecosystem to fulfill its basic purpose (if no, see section 2 and information gathered for environmental assessment alternative); . . . . .	<u>YES</u>	NO*	YES	NO
b. The activity does not appear to: (1) violate applicable state water quality standards or effluent standards prohibited under Section 307 of the Clean Water Act; (2) jeopardize the existence of Federally listed endangered or threatened species or their habitat; and (3) violate requirements of any Federally designated marine sanctuary (if no, see section 2b for (1) and check responses from resource and water quality certifying agencies); . . . . .	<u>YES</u>	NO*	YES	NO
c. The activity will not cause or contribute to significant degradation of waters of the United States including adverse effects on human health, life stages of organisms dependent on the aquatic ecosystem, ecosystem diversity, productivity and stability, and recreational, esthetic, and economic values (if no, see section 2); . . . . .	<u>YES</u>	NO*	YES	NO
d. Appropriate and practicable steps have been taken to minimize potential adverse impacts of the discharge on the aquatic ecosystem (if no, see section 5). . .	<u>YES</u>	NO*	YES	NO

<sup>1, 2, \*</sup> See Page 4

2. Technical Evaluation Factors (Subparts C-F).<sup>3</sup>

N/A      Not Significant      Significant\*

a. Physical and Chemical Characteristics of the Aquatic Ecosystem (Subpart C).

- |   |   |
|---|---|
| (1) Substrate impacts. . . . .                                    | X |
| (2) Suspended particulates/turbidity impacts. . . . .             | X |
| (3) Water column impacts. . . . .                                 | X |
| (4) Alteration of current patterns and water circulation. . . . . | X |
| (5) Alteration of normal water fluctuations/hydroperiod. . . . .  | X |
| (6) Alteration of salinity gradients. . . . .                     | X |

b. Biological Characteristics of the Aquatic Ecosystem (Subpart D).

- |  |                |
|--|----------------|
| (1) Effect on threatened/endangered species and their habitat. . . . .           | X              |
| (2) Effect on the aquatic food web. . . . .                                      | X <sup>1</sup> |
| (3) Effect on other wildlife (mammals, birds, reptiles, and amphibians). . . . . | X <sup>2</sup> |

c. Special Aquatic Sites (Subpart E).

- |  |   |
|--|---|
| (1) Sanctuaries and refuges. . . . .   | X |
| (2) Wetlands. . . . .                  | X |
| (3) Mud flats. . . . .                 | X |
| (4) Vegetated shallows. . . . .        | X |
| (5) Coral reefs. . . . .               | X |
| (6) Riffle and pool complexes. . . . . | X |

d. Human Use Characteristics (Subpart F).

- |   |                |
|---|----------------|
| (1) Effects on municipal and private water supplies. . . . .  | X              |
| (2) Recreational and commercial fisheries impacts . . . . .   | X              |
| (3) Effects on water-related recreation. . . . .  | X              |
| (4) Esthetic impacts. . . . .   | X <sup>3</sup> |
| (5) Effects on parks, national and historical monuments, national seashores, wilderness areas, research sites, and similar preserves. . . . . | X              |

Remarks. Where a check is placed under the significant category, preparer has attached an explanation below.

<sup>1</sup> Placement of concrete will not provide the substrate for aquatic organisms; however, placement of riprap will. Accumulation of sediments will occur rapidly and another community will develop thereon. Therefore, not significant.

<sup>2</sup> Mammals, reptiles, and amphibians will be effected; birds will initially, but not for the long term.

<sup>3</sup> Aesthetic losses caused by loss of top-of-bank vegetation along the project right-of-way would have been significant but included are plans to plant trees and shrubs at areas of concern to mitigate the losses that would occur.

3. Evaluation of Dredged or Fill Material (Subpart G).

a. The following information has been considered in evaluating the biological availability of possible contaminants in dredged or fill material.

- |   |   |
|---|---|
| (1) Physical characteristics . . . . .  | X |
| (2) Hydrography in relation to known or anticipated sources of contaminants . . . . .   | X |
| (3) Results from previous testing of the material or similar material in the vicinity of the project . . . . .  | X |
| (4) Known, significant sources of persistent pesticides from land runoff or percolation . . . . .   |   |
| (5) Spill records for petroleum products or designated (Section 311 of CWA) hazardous substances . . . . .  | X |
| (6) Other public records of significant introduction of contaminants from industries, municipalities, or other sources . . . . .  | X |
| (7) Known existence of substantial material deposits of substances which could be released in harmful quantities to the aquatic environment by man-induced discharge activities . . . . . |   |
| (8) Other sources (specify) . . . . .   |   |

Appropriate references:

(1) Amite River and Tributaries, East Baton Rouge Parish Feasibility Study - Water Quality Report, February 11, 1993.

(2) USEPA Superfund Program CERCLIS Inventory, December, 1992.

- b. An evaluation of the appropriate information in 3a above indicates that there is reason to believe the proposed dredge or fill material is not a carrier of contaminants, or the material meets the testing exclusion criteria. . . . . YES NO

<sup>3</sup> See Page 4

4. Disposal Site Delineation (\$230.11(f)).

a. The following factors, as appropriate, have been considered in evaluating the disposal site.

(1) Depth of water at disposal site . . . . .	X
(2) Current velocity, direction, and variability at disposal site . . . . .	X
(3) Degree of turbulence . . . . .	
(4) Water column stratification . . . . .	
(5) Discharge vessel speed and direction . . . . .	
(6) Rate of discharge . . . . .	
(7) Dredged material characteristics (constituents, amount, and type of material, settling velocities) . . . . .	X
(8) Number of discharges per unit of time . . . . .	
(9) Other factors affecting rates and patterns of mixing (specify) . . . . .	

Appropriate references:

Same as 3(a)

b. An evaluation of the appropriate factors in 4a above indicates that the disposal site and/or size of mixing zone are acceptable . . . . . YES NO\*

5. Actions to Minimize Adverse Effects (Subpart H).

All appropriate and practicable steps have been taken, through application of the recommendations of \$230.70-230.77 to ensure minimal adverse effects of the proposed discharge . . . . . YES NO\*

Actions taken:

a. Riprap stone will be placed to minimize the adverse consequences of erosion.

b. Disposal material will be stacked so that after anticipated settlement, surface is from approximately 6 inches below to level with adjacent batture elevations.

6. Factual Determination (\$230.11).

A review of appropriate information as identified in items 2-5 above indicates that there is minimal potential for short- or long-term environmental effects of the proposed discharge as related to:

a. Physical substrate at the disposal site (review sections 2a, 3, 4, and 5 above) . . . . .	YES	NO*
b. Water circulation, fluctuation and salinity (review sections 2a, 3, 4, and 5) . . . . .	YES	NO*
c. Suspended particulates/turbidity (review sections 2a, 3, 4, and 5) . . . . .	YES	NO*
d. Contaminant availability (review sections 2a, 3, and 4). . . . .	YES	NO*
e. Aquatic ecosystem structure and function (review sections 2b, and c, 3, and 5) . . . . .	YES	NO*
f. Disposal site (review sections 2, 4, and 5) . . . . .	YES	NO*
g. Cumulative impact on the aquatic ecosystem . . . . .	YES	NO*
h. Secondary impacts on the aquatic ecosystem . . . . .	YES	NO*

\* See Page 4

\* A negative, significant, or unknown response indicates that the project may not be in compliance with the Section 404(b)(1) Guidelines.

<sup>1</sup> Negative responses to three or more of the compliance criteria at this stage indicates that the proposed projects may not be evaluated using this "short form procedure". Care should be used in assessing pertinent portions of the technical information of items 2a-d, before completing the final review of compliance.

<sup>2</sup> Negative responses to one of the compliance criteria at this stage indicates that the proposed project does not comply with the guidelines. If the economics of navigation and anchorage of Section 404(b)(2) are to be evaluated in the decision-making process, the "short form" evaluation process is inappropriate.

<sup>3</sup> If the dredged or fill material cannot be excluded from individual testing, the "short form" evaluation process is inappropriate.

7. Evaluation Responsibility.

a. Water Quality input was prepared by: Julie Z. LeBlanc

Position: Hydraulic Engineer GS-11

Date: 11 August 1993

b. Biological input was prepared by: William C. Wilson

Position: Biologist

Date: 7 July 1994

c. This evaluation was reviewed by: R.H. Schroeder Jr.

Position: Chief, Planning Division

Date: \_\_\_\_\_

8. Findings.

a. The proposed disposal site for discharge of dredged or fill material complies with the Section 404(b)(1) guidelines . . . . . X

b. The proposed disposal site for discharge of dredged or fill material complies with the Section 404(b)(1) guidelines with the inclusion of the following conditions . . . . . \_\_\_\_\_

c. The proposed disposal site for discharge of dredged or fill material does not comply with the Section 404(b)(1) guidelines for the following reason(s):

(1) There is a less damaging practicable alternative . . . . . \_\_\_\_\_

(2) The proposed discharge will result in significant degradation of the aquatic ecosystem . . . . . \_\_\_\_\_

(3) The proposed discharge does not include all practicable and appropriate measures to minimize potential harm to the aquatic ecosystem . . . . . \_\_\_\_\_

\_\_\_\_\_  
Date

\_\_\_\_\_  
Kenneth Clow  
Colonel, U.S. Army  
District Engineer

The following short form 404(b)(1) evaluation follows the format designed by the Office of the Chief of Engineers, (OCE). As a measure to avoid unnecessary paperwork and to streamline regulation procedures while fulfilling the spirit and intent of environmental statutes, New Orleans District is using this format for all proposed project elements requiring 404 evaluation, but involving no significant impact.

PROJECT TITLE.    **East Baton Rouge Parish \ Beaver Bayou Basin**

PROJECT DESCRIPTION

The Recommended Plan for Beaver Bayou consists of widening approximately 7.8 miles of channel designed to convey a 25-year storm event within banks. Improvements are limited to the main stem. Improvements are proposed from Frenchtown Road, where recent improvements from that site to the mouth are in place, upstream to Hubbs Road. The proposed channel design is earthen with 3.5:1 sloped banks. Design bottom widths vary for each reach. In order to control erosion, banks are proposed to be protected with a geotextile mat on the main channel. The mat would be placed within the channel and on the channel slopes. It would be covered with R-90 stone to hold it in place. Material excavated is to be disposed of in a landfill. Approximately 545,100 sq.yds. of geotextile mat, 130,200 tons of R-90 stone, and 322,400 sq.yds. of hydromulch would be required.

1. Review of Compliance (\$230.10 (a)-(d)).

Preliminary<sup>1</sup>

Final<sup>2</sup>

A review of this project indicates that:

a. The discharge represents the least environmentally damaging practicable alternative and if in a special aquatic site, the activity associated with the discharge must have direct access or proximity to, or be located in the aquatic ecosystem to fulfill its basic purpose (if no, see section 2 and information gathered for environmental assessment alternative); . . . . .

YES

NO\*

YES

NO

b. The activity does not appear to: (1) violate applicable state water quality standards or effluent standards prohibited under Section 307 of the Clean Water Act; (2) jeopardize the existence of Federally listed endangered or threatened species or their habitat; and (3) violate requirements of any Federally designated marine sanctuary (if no, see section 2b for (1) and check responses from resource and water quality certifying agencies); . . . . .

YES

NO\*

YES

NO

c. The activity will not cause or contribute to significant degradation of waters of the United States including adverse effects on human health, life stages of organisms dependent on the aquatic ecosystem, ecosystem diversity, productivity and stability, and recreational, esthetic, and economic values (if no, see section 2); . . . . .

YES

NO\*

YES

NO

d. Appropriate and practicable steps have been taken to minimize potential adverse impacts of the discharge on the aquatic ecosystem (if no, see section 5). . . . .

YES

NO\*

YES

NO

1, 2, \* See Page 4



## 2. Technical Evaluation Factors (Subparts C-F).<sup>3</sup>

	<u>N/A</u>	<u>Not Significant</u>	<u>Significant*</u>
a. Physical and Chemical Characteristics of the Aquatic Ecosystem (Subpart C).			
(1) Substrate impacts. . . . .			X
(2) Suspended particulates/turbidity impacts. . . . .		X	
(3) Water column impacts. . . . .		X	
(4) Alteration of current patterns and water circulation. . . . .		X	
(5) Alteration of normal water fluctuations/hydroperiod. . . . .		X	
(6) Alteration of salinity gradients. . . . .	X		
b. Biological Characteristics of the Aquatic Ecosystem (Subpart D).			
(1) Effect on threatened/endangered species and their habitat. . . . .		X	
(2) Effect on the aquatic food web. . . . .		X <sup>1</sup>	
(3) Effect on other wildlife (mammals, birds, reptiles, and amphibians). . . . .		X <sup>2</sup>	
c. Special Aquatic Sites (Subpart E).			
(1) Sanctuaries and refuges. . . . .	X		
(2) Wetlands. . . . .		X	
(3) Mud flats. . . . .	X		
(4) Vegetated shallows. . . . .		X	
(5) Coral reefs. . . . .	X		
(6) Riffle and pool complexes. . . . .	X		
d. Human Use Characteristics (Subpart F).			
(1) Effects on municipal and private water supplies. . . . .	X		
(2) Recreational and commercial fisheries impacts. . . . .		X	
(3) Effects on water-related recreation. . . . .		X	
(4) Esthetic impacts. . . . .		X <sup>3</sup>	
(5) Effects on parks, national and historical monuments, national seashores, wilderness areas, research sites, and similar preserves. . . . .	X		

Remarks. Where a check is placed under the significant category, preparer has attached an explanation below.

<sup>1</sup> Placement of concrete will not provide the substrate for aquatic organisms, however, placement of geotextile mat and riprap will. Accumulation of sediments will occur rapidly and another community will develop thereon. Therefore, not significant.

<sup>2</sup> Mammals, reptiles, and amphibians will be effected; wading birds will be initially, but not for the long term.

<sup>3</sup> Aesthetic losses caused by loss of top-of-bank vegetation would have been significant but included are plans to plant trees at areas of concern to mitigate the losses that would occur.

## 3. Evaluation of Dredged or Fill Material (Subpart G).

a. The following information has been considered in evaluating the biological availability of possible contaminants in dredged or fill material.

(1) Physical characteristics . . . . .	X
(2) Hydrography in relation to known or anticipated sources of contaminants . . . . .	X
(3) Results from previous testing of the material or similar material in the vicinity of the project . . . . .	X
(4) Known, significant sources of persistent pesticides from land runoff or percolation . . . . .	
(5) Spill records for petroleum products or designated (Section 311 of CWA) hazardous substances . . . . .	X
(6) Other public records of significant introduction of contaminants from industries, municipalities, or other sources . . . . .	X
(7) Known existence of substantial material deposits of substances which could be released in harmful quantities to the aquatic environment by man-induced discharge activities . . . . .	
(8) Other sources (specify) . . . . .	

Appropriate references:

(1) Amite River and Tributaries, East Baton Rouge Parish Feasibility Study - Water Quality Report, February 11, 1993.

(2) USEPA Superfund Program CERCLIS Inventory, December, 1992.

b. An evaluation of the appropriate information in 3a above indicates that there is reason to believe the proposed dredge or fill material is not a carrier of contaminants, or the material meets the testing exclusion criteria. . . . . YES NO

<sup>3</sup> See Page 4

4. Disposal Site Delineation (\$230.11(f)).

a. The following factors, as appropriate, have been considered in evaluating the disposal site.

- |  |         |
|--|---------|
| (1) Depth of water at disposal site . . . . .  | _____   |
| (2) Current velocity, direction, and variability at disposal site . . . . .                                      | _____   |
| (3) Degree of turbulence . . . . .   | _____   |
| (4) Water column stratification . . . . .  | _____   |
| (5) Discharge vessel speed and direction . . . . .   | _____   |
| (6) Rate of discharge . . . . .  | _____   |
| (7) Dredged material characteristics (constituents, amount, and type of material, settling velocities) . . . . . | _____ X |
| (8) Number of discharges per unit of time . . . . .  | _____ X |
| (9) Other factors affecting rates and patterns of mixing (specify) . . . . .                                     | _____ X |

Appropriate references:

Same as 3(a)

- b. An evaluation of the appropriate factors in 4a above indicates that the disposal site and/or size of mixing zone are acceptable . . . . . YES NO\*

5. Actions to Minimize Adverse Effects (Subpart H).

All appropriate and practicable steps have been taken, through application of the recommendations of \$230.70-230.77 to ensure minimal adverse effects of the proposed discharge . . . . . YES NO\*

Actions taken:

(1) The geotextile mat with rocks to hold it in place will help hold the soil and will minimize bank erosion.

(2) Measures will be incorporated to mitigate aesthetic impacts.

6. Factual Determination (\$230.11).

A review of appropriate information as identified in items 2-5 above indicates that there is minimal potential for short- or long-term environmental effects of the proposed discharge as related to:

- |  |            |     |
|--|------------|-----|
| a. Physical substrate at the disposal site (review sections 2a, 3, 4, and 5 above) . . . . . | <u>YES</u> | NO* |
| b. Water circulation, fluctuation and salinity (review sections 2a, 3, 4, and 5) . . . . .   | <u>YES</u> | NO* |
| c. Suspended particulates/turbidity (review sections 2a, 3, 4, and 5) . . . . .              | <u>YES</u> | NO* |
| d. Contaminant availability (review sections 2a, 3, and 4). . . . .                          | <u>YES</u> | NO* |
| e. Aquatic ecosystem structure and function (review sections 2b, and c, 3, and 5) . . . . .  | <u>YES</u> | NO* |
| f. Disposal site (review sections 2, 4, and 5) . . . . .                                     | <u>YES</u> | NO* |
| g. Cumulative impact on the aquatic ecosystem . . . . .                                      | <u>YES</u> | NO* |
| h. Secondary impacts on the aquatic ecosystem . . . . .                                      | <u>YES</u> | NO* |

\* See Page 4

\* A negative, significant, or unknown response indicates that the project may not be in compliance with the Section 404(b)(1) Guidelines.

<sup>1</sup> Negative responses to three or more of the compliance criteria at this stage indicates that the proposed projects may not be evaluated using this "short form procedure". Care should be used in assessing pertinent portions of the technical information of items 2a-d, before completing the final review of compliance.

<sup>2</sup> Negative responses to one of the compliance criteria at this stage indicates that the proposed project does not comply with the guidelines. If the economics of navigation and anchorage of Section 404(b)(2) are to be evaluated in the decision-making process, the "short form" evaluation process is inappropriate.

<sup>3</sup> If the dredged or fill material cannot be excluded from individual testing, the "short form" evaluation process is inappropriate.

7. Evaluation Responsibility.

a. Water Quality input was prepared by: Julie Z. LeBlanc

Position: Hydraulic Engineer GS-11

Date: 7 June 1993

b. Biological input was prepared by: William C. Wilson

Position: Biologist

Date: 7 July 1994

c. This evaluation was reviewed by: R.H. Schroeder Jr.

Position: Chief, Planning Division

Date: \_\_\_\_\_

8. Findings.

a. The proposed disposal site for discharge of dredged or fill material complies with the Section 404(b)(1) guidelines . . . . . X

b. The proposed disposal site for discharge of dredged or fill material complies with the Section 404(b)(1) guidelines with the inclusion of the following conditions . . . . . \_\_\_\_\_

c. The proposed disposal site for discharge of dredged or fill material does not comply with the Section 404(b)(1) guidelines for the following reason(s):

(1) There is a less damaging practicable alternative . . . . . \_\_\_\_\_

(2) The proposed discharge will result in significant degradation of the aquatic ecosystem . . . . . \_\_\_\_\_

(3) The proposed discharge does not include all practicable and appropriate measures to minimize potential harm to the aquatic ecosystem . . . . . \_\_\_\_\_

\_\_\_\_\_  
Date

\_\_\_\_\_  
Kenneth H. Clow  
Colonel, U.S. Army  
District Engineer

The following short form 404(b)(1) evaluation follows the format designed by the Office of the Chief of Engineers, (OCE). As a measure to avoid unnecessary paperwork and to streamline regulation procedures while fulfilling the spirit and intent of environmental statutes, New Orleans District is using this format for all proposed project elements requiring 404 evaluation, but involving no significant impact.

PROJECT TITLE.    **East Baton Rouge Parish \ Blackwater Bayou Basin**

PROJECT DESCRIPTION

The Recommended Plan for Blackwater Bayou consists of widening approximately 13.4 miles of channel designed to convey a 10-year storm event within banks. Improvements on the main stem of Blackwater Bayou are proposed from its mouth upstream to Greenwell Springs Road. Also included are proposed improvements to the bayou's main tributary. Proposed widening of the tributary begins at its confluence with Blackwater bayou and extends approximately 4.6 miles upstream to McCullough Road. The proposed channel design is earthen with 3.5:1 sloped banks. Design bottom widths vary for each reach. In order to control erosion, banks are proposed to be protected with a geotextile mat on both the main channel and the main tributary. The mat would be placed within the channel and on the channel slopes. It would be covered with R-90 stone to hold it in place. Material excavated is to be disposed of in a landfill. Approximately 887,000 sq.yds. of mat, 141,400 tons of R-90 stone, and 551,500 sq.yds. of hydromulch would be required.

1. Review of Compliance (\$230.10 (a)-(d)).

Preliminary<sup>1</sup>

Final<sup>2</sup>

A review of this project indicates that:

a. The discharge represents the least environmentally damaging practicable alternative and if in a special aquatic site, the activity associated with the discharge must have direct access or proximity to, or be located in the aquatic ecosystem to fulfill its basic purpose (if no, see section 2 and information gathered for environmental assessment alternative); . . . . .

YES

NO\*

YES

NO

b. The activity does not appear to: (1) violate applicable state water quality standards or effluent standards prohibited under Section 307 of the Clean Water Act; (2) jeopardize the existence of Federally listed endangered or threatened species or their habitat; and (3) violate requirements of any Federally designated marine sanctuary (if no, see section 2b for (1) and check responses from resource and water quality certifying agencies); . . . . .

YES

NO\*

YES

NO

c. The activity will not cause or contribute to significant degradation of waters of the United States including adverse effects on human health, life stages of organisms dependent on the aquatic ecosystem, ecosystem diversity, productivity and stability, and recreational, esthetic, and economic values (if no, see section 2); . . . . .

YES

NO\*

YES

NO

d. Appropriate and practicable steps have been taken to minimize potential adverse impacts of the discharge on the aquatic ecosystem (if no, see section 5). . . . .

YES

NO\*

YES

NO

<sup>1, 2, \*</sup> See Page 4

2. Technical Evaluation Factors (Subparts C-F).<sup>3</sup>

	N/A	Not Significant	Significant*
a. Physical and Chemical Characteristics of the Aquatic Ecosystem (Subpart C).			
(1) Substrate impacts. . . . .			X
(2) Suspended particulates/turbidity impacts. . . . .		X	
(3) Water column impacts. . . . .		X	
(4) Alteration of current patterns and water circulation. . . . .		X	
(5) Alteration of normal water fluctuations/hydroperiod. . . . .		X	
(6) Alteration of salinity gradients. . . . .	X		
b. Biological Characteristics of the Aquatic Ecosystem (Subpart D).			
(1) Effect on threatened/endangered species and their habitat. . . . .		X	
(2) Effect on the aquatic food web. . . . .		X <sup>1</sup>	
(3) Effect on other wildlife (mammals, birds, reptiles, and amphibians). . . . .		X <sup>2</sup>	
c. Special Aquatic Sites (Subpart E).			
(1) Sanctuaries and refuges. . . . .	X		
(2) Wetlands. . . . .		X	
(3) Mud flats. . . . .	X		
(4) Vegetated shallows. . . . .		X	
(5) Coral reefs. . . . .	X		
(6) Riffle and pool complexes. . . . .	X		
d. Human Use Characteristics (Subpart F).			
(1) Effects on municipal and private water supplies. . . . .	X		
(2) Recreational and commercial fisheries impacts. . . . .		X	
(3) Effects on water-related recreation. . . . .		X	
(4) Esthetic impacts. . . . .		X <sup>3</sup>	
(5) Effects on parks, national and historical monuments, national seashores, wilderness areas, research sites, and similar preserves. . . . .	X		

Remarks. Where a check is placed under the significant category, preparer has attached an explanation below.

<sup>1</sup> Placement of geotextile mat and riprap will provide a substrate for aquatic organisms. Accumulation of sediments will occur rapidly and another community will develop thereon. Therefore, not significant.

<sup>2</sup> Mammals, reptiles, and amphibians will be effected; wading birds will initially, but not for the long term.

<sup>3</sup> Aesthetic losses caused by loss of top-of-bank vegetation would have been significant but included are plans to plant trees at areas of concern to mitigate the losses that would occur.

3. Evaluation of Dredged or Fill Material (Subpart G).

a. The following information has been considered in evaluating the biological availability of possible contaminants in dredged or fill material.

(1) Physical characteristics . . . . .	X
(2) Hydrography in relation to known or anticipated sources of contaminants . . . . .	X
(3) Results from previous testing of the material or similar material in the vicinity of the project . . . . .	X
(4) Known, significant sources of persistent pesticides from land runoff or percolation . . . . .	
(5) Spill records for petroleum products or designated (Section 311 of CWA) hazardous substances . . . . .	X
(6) Other public records of significant introduction of contaminants from industries, municipalities, or other sources . . . . .	X
(7) Known existence of substantial material deposits of substances which could be released in harmful quantities to the aquatic environment by man-induced discharge activities . . . . .	
(8) Other sources (specify) . . . . .	

Appropriate references:

(1) Amite River and Tributaries, East Baton Rouge Parish Feasibility Study - Water Quality Report, February 11, 1993.

(2) USEPA Superfund Program CERCLIS Inventory, December, 1992.

b. An evaluation of the appropriate information in 3a above indicates that there is reason to believe the proposed dredge or fill material is not a carrier of contaminants, or the material meets the testing exclusion criteria. . . . . YES NO

<sup>3</sup> See Page 4

4. Disposal Site Delineation (\$230.11(f)).

a. The following factors, as appropriate, have been considered in evaluating the disposal site.

- |  |         |
|--|---------|
| (1) Depth of water at disposal site . . . . .  | _____   |
| (2) Current velocity, direction, and variability at disposal site . . . . .                                      | _____   |
| (3) Degree of turbulence . . . . .   | _____   |
| (4) Water column stratification . . . . .  | _____   |
| (5) Discharge vessel speed and direction . . . . .   | _____   |
| (6) Rate of discharge . . . . .  | _____   |
| (7) Dredged material characteristics (constituents, amount, and type of material, settling velocities) . . . . . | _____ X |
| (8) Number of discharges per unit of time . . . . .  | _____   |
| (9) Other factors affecting rates and patterns of mixing (specify) . . . . .                                     | _____ X |

Appropriate references:

Same as 3(a)

- b. An evaluation of the appropriate factors in 4a above indicates that the disposal site and/or size of mixing zone are acceptable . . . . . YES NO\*

5. Actions to Minimize Adverse Effects (Subpart H).

All appropriate and practicable steps have been taken, through application of the recommendations of \$230.70-230.77 to ensure minimal adverse effects of the proposed discharge . . . . . YES NO\*

Actions taken:

(1) The geotextile mat with rocks to hold it in place will help to hold the soil and will minimize erosion.

(2) Measures will be incorporated to mitigate aesthetic impacts.

6. Factual Determination (\$230.11).

A review of appropriate information as identified in items 2-5 above indicates that there is minimal potential for short- or long-term environmental effects of the proposed discharge as related to:

- |  |     |     |
|--|-----|-----|
| a. Physical substrate at the disposal site (review sections 2a, 3, 4, and 5 above) . . . . . | YES | NO* |
| b. Water circulation, fluctuation and salinity (review sections 2a, 3, 4, and 5) . . . . .   | YES | NO* |
| c. Suspended particulates/turbidity (review sections 2a, 3, 4, and 5) . . . . .              | YES | NO* |
| d. Contaminant availability (review sections 2a, 3, and 4). . . . .                          | YES | NO* |
| e. Aquatic ecosystem structure and function (review sections 2b, and c, 3, and 5) . . . . .  | YES | NO* |
| f. Disposal site (review sections 2, 4, and 5) . . . . .                                     | YES | NO* |
| g. Cumulative impact on the aquatic ecosystem . . . . .                                      | YES | NO* |
| h. Secondary impacts on the aquatic ecosystem . . . . .                                      | YES | NO* |

\* See Page 4



\* A negative, significant, or unknown response indicates that the project may not be in compliance with the Section 404(b)(1) Guidelines.

<sup>1</sup> Negative responses to three or more of the compliance criteria at this stage indicates that the proposed projects may not be evaluated using this "short form procedure". Care should be used in assessing pertinent portions of the technical information of items 2a-d, before completing the final review of compliance.

<sup>2</sup> Negative responses to one of the compliance criteria at this stage indicates that the proposed project does not comply with the guidelines. If the economics of navigation and anchorage of Section 404(b)(2) are to be evaluated in the decision-making process, the "short form" evaluation process is inappropriate.

<sup>3</sup> If the dredged or fill material cannot be excluded from individual testing, the "short form" evaluation process is inappropriate.

7. Evaluation Responsibility.

a. Water Quality input was prepared by: Julie Z. LeBlanc

Position: Hydraulic Engineer GS-11

Date: 7 June 1993

b. Biological input was prepared by: William C. Wilson

Position: Biologist

Date: 7 July 1994

c. This evaluation was reviewed by: R.H. Schroeder Jr.

Position: Chief, Planning Division

Date: \_\_\_\_\_

8. Findings.

a. The proposed disposal site for discharge of dredged or fill material complies with the Section 404(b)(1) guidelines . . . . . X

b. The proposed disposal site for discharge of dredged or fill material complies with the Section 404(b)(1) guidelines with the inclusion of the following conditions . . . . . \_\_\_\_\_

c. The proposed disposal site for discharge of dredged or fill material does not comply with the Section 404(b)(1) guidelines for the following reason(s):

(1) There is a less damaging practicable alternative . . . . . \_\_\_\_\_

(2) The proposed discharge will result in significant degradation of the aquatic ecosystem . . . . . \_\_\_\_\_

(3) The proposed discharge does not include all practicable and appropriate measures to minimize potential harm to the aquatic ecosystem . . . . . \_\_\_\_\_

\_\_\_\_\_  
Date

\_\_\_\_\_  
Kenneth H. Clow  
Colonel, U.S. Army  
District Engineer

APPENDIX E

SECTION 6

FFPA EVALUATION  
AND  
FOOD SECURITY ACT COORDINATION

## FARMLAND PROTECTION POLICY ACT

### FOOD SECURITY ACT OF 1985

Correspondence regarding the Farmland Protection Policy Act and the Food Security Act of 1985 is included in this section. Also included are copies of Farmland Conversion Impact Rating forms. An evaluation was done for the mitigation sites for impact of conversion of farmlands by the proposed action. For each site a relative value number was determined by the Soil Conservation Service that was applicable to the specific site. Points for other criteria were then determined by the District evaluator that were also applicable to the specific site. The relative value and the site assessment points were then summed to determine if the resulting points for the sites exceeded the threshold number of the rating procedures. One of the sites was not categorized as prime and unique farmland. Neither of the two remaining alternatives exceeded the threshold number that would have indicated severe adverse affects to significantly important farmland. Neither of the alternatives should be restricted as candidates for mitigation purposes according to the rating procedures. A copy of the evaluation form done at an earlier time as well as the associated correspondence with a statement regarding the Food Security Act of 1985 is also included.

## U.S. Department of Agriculture

## FARMLAND CONVERSION IMPACT RATING

<b>PART I (To be completed by Federal Agency)</b>		Date Of Land Evaluation Request July 25, 1994	
Name Of Project East Baton Rouge Parish Flood Control		Federal Agency Involved U.S. Army Corps of Engineers	
Proposed Land Use Reforestation for Wildlife Habitat		County And State East Baton Rouge Parish, Louisiana	
<b>PART II (To be completed by SCS)</b>		Date Request Received By SCS 7/26/94	
Does the site contain prime, unique, statewide or local important farmland? (If no, the FPPA does not apply — do not complete additional parts of this form).		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Acres Irrigated Average Farm Size EBR-199
Major Crop(s) Pasture, Soybeans, Corn	Farmable Land In Govt. Jurisdiction Acres: 158,500 % 54%	Amount Of Farmland As Defined in FPPA Acres: 128,643 % 81%	
Name Of Land Evaluation System Used SCS- East Baton Rouge	Name Of Local Site Assessment System None	Date Land Evaluation Returned By SCS 7/27/94	
<b>PART III (To be completed by Federal Agency)</b>		Alternative Site Rating	
	Site A	Site B	Site C
A. Total Acres To Be Converted Directly	115	0	282
B. Total Acres To Be Converted Indirectly	0	0	0
C. Total Acres In Site	115	0	282
<b>PART IV (To be completed by SCS) Land Evaluation Information</b>			
A. Total Acres Prime And Unique Farmland	N/A	N/A	282
B. Total Acres Statewide And Local Important Farmland			0
C. Percentage Of Farmland In County Or Local Govt. Unit To Be Converted			.001
D. Percentage Of Farmland In Govt. Jurisdiction With Same Or Higher Relative Value			42.2
<b>PART V (To be completed by SCS) Land Evaluation Criterion</b>			
Relative Value Of Farmland To Be Converted (Scale of 0 to 100 Points)			62.8
<b>PART VI (To be completed by Federal Agency)</b>			
Site Assessment Criteria (These criteria are explained in 7 CFR 658.5(b))	Maximum Points		
1. Area In Nonurban Use			14
2. Perimeter In Nonurban Use			10
3. Percent Of Site Being Farmed			20
4. Protection Provided By State And Local Government			0
5. Distance From Urban Builtup Area			5
6. Distance To Urban Support Services			2
7. Size Of Present Farm Unit Compared To Average			2
8. Creation Of Nonfarmable Farmland			0
9. Availability Of Farm Support Services			3
10. On-Farm Investments			2
11. Effects Of Conversion On Farm Support Services			0
12. Compatibility With Existing Agricultural Use			0
TOTAL SITE ASSESSMENT POINTS	160		58
<b>PART VII (To be completed by Federal Agency)</b>			
Relative Value Of Farmland (From Part V)	100		62.8
Total Site Assessment (From Part VI above or a local site assessment)	160		58
TOTAL POINTS (Total of above 2 lines)	260		121.8
Site Selected: Either site as available		Was A Local Site Assessment Used? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Date Of Selection August 19, 1994			

## Reason For Selection:

Both sites are below the threshold for significance of impact of loss to farmland as defined by the FPPA. Either site is suitable for accomplishing the objective of habitat development for mitigation purposes via reforestation of cleared lands into wooded lands. Final selection is not required at this time.



United States  
Department of  
Agriculture

Soil  
Conservation  
Service

P.O. Box 1296  
Denham Springs, LA. 70727  
504-664-1430

July 29, 1994

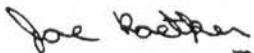
R. H. Schroeder, Jr.  
Chief, Planning Division  
U. S. Army Corps of Engineers  
P. O. Box 60267  
New Orleans, LA 70160-0267

RE: Your letter of July 25, 1994

Dear Mr.Schroeder:

Enclosed is the Farmland Conversion Impact Rating you requested. If you have any questions, please do not hesitate to give me a call.

Sincerely,

  
Joe Roetker *mm*  
District Conservationist

JR/mm



The Soil Conservation Service  
is an agency of the  
Department of Agriculture

E-6-3



DEPARTMENT OF THE ARMY

NEW ORLEANS DISTRICT CORPS OF ENGINEERS

P.O. BOX 60267

NEW ORLEANS, LOUISIANA 70160-0267

REPLY TO  
ATTENTION OF:

July 25, 1994

Planning Division  
Environmental Analysis Branch

Mr. Joe Roetker  
U.S. Department of Agriculture  
Soil Conservation Service  
P.O. Box 1296  
Denham Springs, Louisiana 70727

Dear Mr. Roetker:

The U.S. Army Corps of Engineers, New Orleans District, anticipates having a Feasibility Study and Draft Environmental Impact Statement addressing flood control needs in East Baton Rouge Parish for transmittal to the public in September 1994.

Enclosed is a copy of a Farmland Conversion Impact Rating form applicable to the area. We request that you complete the applicable portion. This form was completed previously by Mr. Robert Vernon of your office; however, a change of acreage in the mitigation plan necessitates revision. Also enclosed is a copy of a map, applicable to the form, with areas "C" and "D" delineated. There is no change to area "A". Area "B" was removed from consideration.

We would appreciate your attention to this at your earliest convenience. If you require further information, please contact Mr. Bill Wilson at (504) 862-2527.

Sincerely,

  
R. H. Schroeder, Jr.  
Chief, Planning Division

Enclosures



# FARMLAND CONVERSION IMPACT RATING

<b>PART I (To be completed by Federal Agency)</b>		Date Of Land Evaluation Request <u>March 29, 1993</u>	
Name Of Project <u>East Baton Rouge Parish Flood Control</u>		Federal Agency Involved <u>U.S. Army Corps of Engineers</u>	
Proposed Land Use <u>Reforestation for Wildlife Habitat</u>		County And State <u>East Baton Rouge Parish, Louisiana</u>	
<b>PART II (To be completed by SCS)</b>		Date Request Received By SCS <u>4-1-93</u>	
Does the site contain prime, unique, statewide or local important farmland? (If no, the FPPA does not apply - do not complete additional parts of this form).		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Acres Irrigated <u>NOT REQUIRED</u>
			Average Farm Size <u>EBR - 199 AC.</u>
Major Crop(s) <u>Soybeans, Corn, Wheat, Cattle</u>	Farmable Land In Govt. Jurisdiction Acres: <u>158,500</u> % <u>54</u>	Amount Of Farmland As Defined in FPPA Acres: <u>128,643</u> % <u>81</u>	
Name Of Land Evaluation System Used <u>SCS - EAST BATON ROUGE</u>	Name Of Local Site Assessment System <u>NONE</u>	Date Land Evaluation Returned By SCS <u>4-8-93</u>	
<b>PART III (To be completed by Federal Agency)</b>		Alternative Site Rating	
	Site A	Site B	Site C
A. Total Acres To Be Converted Directly	115	150	70
B. Total Acres To Be Converted Indirectly	0	0	0
C. Total Acres In Site	115	150	70
<b>PART IV (To be completed by SCS) Land Evaluation Information</b>			
A. Total Acres Prime And Unique Farmland	0	0	53
B. Total Acres Statewide And Local Important Farmland	N/A	N/A	0
C. Percentage Of Farmland In County Or Local Govt. Unit To Be Converted	N/A	N/A	.03
D. Percentage Of Farmland In Govt. Jurisdiction With Same Or Higher Relative Value	N/A	N/A	41
<b>PART V (To be completed by SCS) Land Evaluation Criterion</b>			
Relative Value Of Farmland To Be Converted (Scale of 0 to 100 Points)	-	-	70
<b>PART VI (To be completed by Federal Agency)</b>			
Site Assessment Criteria (These criteria are explained in 7 CFR 658.5(b))	Maximum Points		
1. Area In Nonurban Use		15	14
2. Perimeter In Nonurban Use		6	10
3. Percent Of Site Being Farmed		20	20
4. Protection Provided By State And Local Government		0	0
5. Distance From Urban Builtup Area		15	5
6. Distance To Urban Support Services		10	2
7. Size Of Present Farm Unit Compared To Average		0	2
8. Creation Of Nonfarmable Farmland		5	0
9. Availability Of Farm Support Services		3	3
10. On-Farm Investments		5	2
11. Effects Of Conversion On Farm Support Services		0	0
12. Compatibility With Existing Agricultural Use		0	0
TOTAL SITE ASSESSMENT POINTS	160	79	58
<b>PART VII (To be completed by Federal Agency)</b>			
Relative Value Of Farmland (From Part V)	100	70	63
Total Site Assessment (From Part VI above or a local site assessment)	160	79	58
TOTAL POINTS (Total of above 2 lines)	260	149	131
Site Selected: <u>Both sites C and D</u>		Was A Local Site Assessment Used? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Date Of Selection <u>May 3, 1993</u>			

## Reason For Selection:

Both sites are below the threshold for significance of impact of loss to farmland as defined by the FPPA. Both sites are necessary to accomplish the objective of securing cleared lands to reforest for development of habitat for mitigation purposes.



United States  
Department of  
Agriculture

Soil  
Conservation  
Service

P.O. Box 1296  
Denham Springs, LA. 70727  
504-389-0269

Wednesday, April 7, 1993

R. H. Schroeder, Jr.  
Chief, Planning Division  
U.S. Army Corps of Engineers  
P.O. Box 60267  
New Orleans, LA. 70160-0267

Dear Mr. Schroeder,

I have reviewed the information forwarded to me regarding the East Baton Rouge Parish Flood Study. Attached you will find a completed Farmland Conversion Impact Rating Form (AD-1006) with the site ratings for the four alternative mitigation sites.

I did not rate sites A & B as farmland. Both of these sites have been zoned to non-agricultural uses. Site A is zoned C-2 - Commercial. Site B is zoned C-2 - Commercial, M-1 - Light Industrial, and M-2 - Heavy Industrial. Sites C & D were rated as farmland.

The proposed drainage improvements associated with this project would have no impact upon the Swampbuster provisions of the Food Security Act of 1985.

I have placed the maps that you sent me in my files, if you need them back please let me know. If additional information regarding this project is needed please do not hesitate to contact me.

Sincerely,

Robert D. Vernon  
District Conservationist



The Soil Conservation Service  
is an agency of the  
Department of Agriculture

E-6-6



DEPARTMENT OF THE ARMY

NEW ORLEANS DISTRICT CORPS OF ENGINEERS

P.O. BOX 60267

NEW ORLEANS, LOUISIANA 70160-0267

REPLY TO  
ATTENTION OF:

March 29, 1993

Planning Division  
Environmental Analysis Branch

Mr. Robert Vernon  
Soil Conservation Service  
P.O. Box 1296  
Denham Springs, Louisiana 70727

Dear Mr. Vernon:

Reference is made to the East Baton Rouge Parish Flood Study and a telephone call made to you on March 24, 1993, by Mr. Wilson of this office regarding the study.

As required by the Farmland Protection Policy Act of 1981, Farmland Conversion Impact Rating forms are submitted for four separate sites that are being considered for mitigation of project associated habitat losses within East Baton Rouge Parish. All four sites are currently in some form of agricultural use. Locations of each of the areas are delineated on an enclosure. Please complete the pertinent information and return the form.

Please provide any comments as to the effects of the proposed project upon landowners or operators within the parish relative to the Swampbuster provisions of the Food Security Act of 1985. The project is intended to provide relief from flood damages to urban areas. A delineation of the extent of the proposed modifications to be conducted on the different watersheds within the area is also enclosed.

The information requested is needed by April 16, 1993 for incorporation into the report being prepared. We would certainly appreciate your providing the information by that date. Mr. Wilson may be contacted at 504-862-2527 if questions arise.

Sincerely,

R. H. Schroeder, Jr.  
Chief, Planning Division

Enclosures

**APPENDIX E**

**SECTION 7**

**HERBICIDE APPLICATION**

## Section 7

### SUMMARY OF FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT <sup>1</sup>

<sup>1</sup> This section is a direct copy of the information within Appendix B of the following publication:

Westerdahl, Howard E., and Getsinger, Kurt D., Eds. 1988. "Aquatic Plant Identification and Herbicide Use Guide; Volume I: Aquatic Herbicides and Application Equipment," Technical Report A-88-9, US Army Engineer Waterways Experiment Station, Vicksburg, MS.

All pesticides produced and distributed in the United States are regulated by the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) as amended by the Federal Environmental Pesticides Control Act of October 1972 and the FIFRA Amendments of 1975 and 1978 (Arbuckle et al. 1983; \* 7 U.S.C. 135 et seq.; Public Law (PL) 92-516, 86 Stat. 973, October 21, 1972; PL 94-140, 89 Stat. 751, November 28, 1975; and PL 95-396, 92 Stat. 819, September 30, 1978). FIFRA provides for a balance between the risk involved with the pesticide use and the benefits obtained from its use. As more information is obtained regarding the risks and benefits of each herbicide, fewer herbicides are registered for aquatic use by the US Environmental Protection Agency (USEPA) (Bottrell 1979). This reduction in registrations is mainly a result of the removal of more toxic and persistent herbicides from use, the increased use of less persistent and less toxic herbicides, and the high cost of developing and registering new aquatic herbicides.

Federal Acts other than FIFRA and State regulations may also apply to herbicide selection for a particular situation. Acts related to safe drinking water, public health, and water pollution may be applicable. The regional USEPA offices are frequently a good source of information and guidance on the Federal laws and regulations. (See Appendix C for USEPA regional office addresses.) May states use FIFRA regulations; however, State laws and permit requirements may be more restrictive than FIFRA.

At the Federal level, the use of herbicides in aquatic systems is regulated principally by FIFRA, as amended. The FIFRA is administered by the USEPA. Following is a summary of selected portions of FIFRA that may influence a user's decision regarding the use of a herbicide in a particular situation. If you are a frequent or large-volume user of Pesticides, you may want to obtain a copy of FIFRA (Parts 162-180) to familiarize yourself with the details of this act. In the interim, the following summary may be of value:

a. All herbicides distributed, sold, or received by a person in any State must be registered with the USEPA. This requirement applies to herbicides produced and distributed solely within a State as well as to those moving in interstate commerce.

b. It is a violation of Federal law to use a herbicide in a manner inconsistent with its label. The label will provide instructions on how to use the product correctly and will detail specific safety measures. Information on the container may not be the complete label. Make certain that all labeling information is obtained.

\* See References at the end of the main text.



c. All herbicide uses must be classified as either "general" or "restricted". FIFRA requires the user to be certified to apply any herbicide classified for restricted use.

d. A herbicide or one or more of its uses may be classified for restricted use. This classification applies if it is determined that, when following label directions without additional regulatory restrictions, the herbicide has the potential to cause unreasonable adverse effects on the environment or injury to the applicator.

e. If a herbicide or one or more of its uses has been classified for restricted use, the herbicide must be applied by or under the direct supervision of a certified applicator. Restricted use herbicides may also have other restrictions; check the labels of restricted use herbicides for further information. Seasonal or regional limitations for use may apply, or there may be a requirement for monitoring residues after use.

f. Some herbicides may have split registration. Some uses of a split registration may be restricted, while other uses may be unrestricted.

g. FIFRA recognizes two classes of certified applicators:

(1) Commercial applicator. A certified applicator (whether or not he is a private applicator with respect to some uses) who uses or supervises the use of any herbicide (with compensation) on any property not owned or rented by him or his employer. To apply restricted use herbicides in aquatic sites, commercial applicators must be certified in aquatic plant control.

(2) Private applicator. A certified applicator who uses or supervises the use of any herbicide that is classified for restricted use on property owned or rented by him or his employer or (if applied without compensation) on the property of any other person. As a minimum requirement for certification, a private applicator must show that he possesses a practical knowledge of pest problems and pest control practices associated with his operations.

h. States may certify applicators of restricted use herbicides upon approval of a State plan by the USEPA. The State plan need not include an aquatic pest control category for commercial applicators. Standards of competency must conform and be at least equal to those prescribed by the USEPA. In addition, Federal employees may be further constrained by needing to satisfy State/local requirements.

i. Indian reservations not subject to State jurisdiction may submit plans for certifying applicators to the USEPA.

j. In the absence of other certification procedures, the USEPA may certify applicators at regional offices.

k. Herbicides may be used under Emergency Use Permits (EUPs) if:

(1) No herbicide is registered for the particular use, or no alternative methods of control are available to control a "pest outbreak."

(2) Significant economic or health problems will occur without the use of the pesticide.

(3) The time available is insufficient for a herbicide to be registered for the particular use.

l. Herbicides may be registered under EUPs to accumulate information needed for registration of a pesticide not registered or a registered pesticide for a new use. States may issue EUPs for persons accumulating information to support State registration of a herbicide to meet special local needs, or to any agricultural research agency or educational institution conducting work within the State.

m. A State may register a new herbicide or an additional use of any Federally registered herbicide for distribution and use within that State if:

(1) There is a special local need.

(2) Registration for the same use has not previously been denied, disapproved, suspended, or cancelled by the USEPA because of health or environmental concerns about an ingredient contained in the herbicide product.

(3) The registration is in accord with the purposes of the FIFRA.

n. A State may further require that a herbicide be registered under State law as well as under the FIFRA

o. When using mixtures of herbicides (tank mixes), the user must adhere to the application procedures and precautions of the most restricted herbicide.

APPENDIX E  
SECTION 8  
EIS MAILING LIST

## EIS MAILING LIST

All U.S. Senators and Congressmen representing Louisiana, Federal and state agencies, state officials, interested groups, and individuals initiating correspondence or making requests were mailed copies of the EIS. Additionally, copies were furnished to the local libraries listed below.

### CONGRESSIONAL DELEGATION

Honorable J Bennett Johnston  
Honorable John B Breaux

Honorable Billy Tauzin  
Honorable Jim McCrery  
- Honorable Richard Baker  
Honorable Robert L Livingston  
Honorable William Jefferson  
Honorable Cleo Fields

### FEDERAL AGENCIES

Federal Emergency Mgmt Administration  
    Mr William Locke, National Office  
    Mr Jim LeGrotte, Regional Office  
    Regional Office  
Federal Highway Administration, Division Administrator  
US Dept of Commerce  
    NOAA, Ofc of Ecology & Conservation  
    National Marine Fisheries Svc, Ms Peggy Jones  
        Habitat Conserv Div c/o CCEER  
    National Marine Fisheries Svc, Chief, Habitat Conservation Division  
    Coast Guard 8th District, Commander (OAN)  
US Advisory Council on Historic Preservation-Executive Director  
US Advisory Council on Historic Preservation  
US Dept of Agriculture  
    Forest Service - Env Coordinator  
    Soil Conservation Service  
        Environmental Coordinator  
        State Conservationist  
        District Conservationist

US Dept of Energy, Office of Environmental Compliance  
US Dept of Health and Human Services  
    Center for Disease Control  
US Dept of Housing & Urban Development  
US Dept of the Interior  
    Fish & Wildlife Service, Slidell  
    Fish & Wildlife Service, Lafayette  
    Office of Environmental Affairs Wash DC  
    Regional Environmental Officer  
    National Park Service  
        Jean Lafitte National Historical Park  
        Rivers, Trails, and Conservation Assistance  
US Environmental Protection Agency  
    Administrator  
    Marine Protection Br, Chief, (WH-585)  
    Office of Federal Activities  
    EIS Coordinator - Reg VI

#### STATE OFFICIALS

Honorable Bob Odom, Commissioner of Ag & Forestry  
Honorable Edwin W Edwards, Governor of Louisiana  
Honorable Melinda Schwegmann, Lieut Governor of Louisiana  
Honorable Richard Ieyoub, Attorney General  
Honorable W Fox McKeithen, Secretary of State

#### STATE AGENCIES / OFFICIALS

Department of Health and Hospitals  
    Office of Health Services and Environmental Quality  
Department of Health and Human Resources  
    Office of Preventive & Public Health Services  
Department of Transportation and Development  
    Secretary  
    Office of Public Works, Chief Engineer  
    Asst. Chief Engineer, Water Resources  
    Public Hearings & Environmental Impact Engineer (Sect 208)  
    Bicycle Coordinator  
Department of Wildlife and Fisheries  
    Secretary  
    Ecological Studies Section  
    Natural Heritage Program

Department of Environmental Quality

Secretary

Water Pollution Control Division

Inactive and Abandoned Sites

Capitol Regional Office

Contracts and Grants Division

Department of Natural Resources

Geological Survey

Title and Records Section

Office of Coastal Restoration and Management

Coastal Restoration Division

Coastal Management Division, Coastal Resources Analyst

Consistency Coordinator

Department of Agriculture & Forestry

Commissioner

Office of Forestry

Office of Agriculture and Environmental Sciences

Department of Culture, Recreation and Tourism

State Historic Preservation Officer

Office of State Parks

Department of Urban and Community Affairs, Office of Planning  
and Technology

Division of Administration

State Planning Office

Federal Programs Review Coordinator

Governor's Coastal Protection Task Force

LEVEE BOARDS/ GOVERNOR'S COMMITTEES

Amite River Basin Drainage and Water Conservation District

La State Governor's Committee on Bicycling

CITY/PARISH OFFICIALS

Mayor/Pres Tom Ed McHugh

Parish Planning Director

OTHER LOCAL OFFICIALS

East Baton Rouge Parish Recreation and Parks Commission, Chief Engineer



## ENVIRONMENTAL ORGANIZATIONS

Audubon Society-National Chairman  
Audubon Society-Orleans, Mr Barry Kohl-Conserv Chairman  
Audubon Society-National, Ms Doris Falkenheiner, Baton Rouge Chapter  
Audubon Society-National, Southwestern Regional Office  
Coalition of Coastal Parishes  
Coalition to Restore Coastal Louisiana, Mr Mark Davis/Exec Director  
South La Environmental Council, Mr Donald Landry-President  
Environmental Defense Fund, Mr James T B Tripp  
La Nature Conservancy, Mr Paul Davidson, Director, BBCC  
La Wildlife Federation, Mr Randy P Lanctot-Exec Director  
National Wildlife Federation  
Natural Resources Defense Council  
Sierra Club, Delta Chapter  
Sierra Club, Legal Defense, Mr Robert Wiygul  
Sierra Club, Conservation Chair, Ms Maura Wood  
League of Women Voters of Louisiana  
South Louisiana Environmental Council  
Funds for Animals, Mr Sidney Rosenthal  
Baton Rouge Green, Ms Lynn Morris

## LIBRARIES

East Baton Rouge Parish Bluebonnet Library  
East Baton Rouge Parish Goodwood Library  
Louisiana State Library  
Coastal Studies Institute  
La Collection, University of New Orleans Library  
Mr Colin Hamer/Louisiana Division, New Orleans Public Library  
La Ofc Comm & Indus Research  
La Collection/Howard-Tilton, Tulane Univ-Ms Joan Caldwell  
Library, Southern University  
Library, Louisiana State University

## NEWSPAPERS, RADIO, & TELEVISION

State Times/Morning Advocate

## BUSINESSES, OTHER GROUPS, AND INDIVIDUALS

Mr C C Lockwood

Mr Kerry Rodriguez

Mr Gerald Muffoletto

Ms Emily Longnecker

Mr Al Troy

## **APPENDIX F**

### **DRAFT FISH AND WILDLIFE COORDINATION ACT REPORT**

EAST BATON ROUGE PARISH

FLOOD CONTROL STUDY

DRAFT

FISH AND WILDLIFE COORDINATION ACT REPORT

SUBMITTED TO

NEW ORLEANS DISTRICT

U.S. ARMY CORPS OF ENGINEERS

NEW ORLEANS, LOUISIANA

PREPARED BY

THERESA E. RABOT, FISH AND WILDLIFE BIOLOGIST

ECOLOGICAL SERVICES

LAFAYETTE, LOUISIANA

U.S. FISH AND WILDLIFE SERVICE

SOUTHEAST REGION

ATLANTA, GEORGIA

JUNE 1994

## EXECUTIVE SUMMARY

Attached is the Fish and Wildlife Coordination Act Report of the Fish and Wildlife Service (Service) for the U.S. Army Corps of Engineers' (Corps), East Baton Rouge Parish, Louisiana, Flood Control Study. The proposed project would reduce flood damages in portions of East Baton Rouge Parish within the Ward Creek, Jones Creek, Bayou Fountain, Blackwater Bayou and Beaver Bayou drainages. Flood damages have increased throughout the project area because of burgeoning development in adjacent upland and wetland areas, which has reduced the effectiveness of project-area streams in retaining stormwater and preventing flood damage.

The Corps' tentatively selected plan provides the 25-year level of protection in the Ward Creek and Beaver Bayou watersheds, and the 10-year level of protection for the remaining watersheds. Those plans include various combinations of channel enlargement (with final bottom widths ranging from 5 to 50 feet), minimal clearing and snagging of existing channels, and concrete lining of existing channels. Approximately 63 miles of channel will be affected.

The proposed project will impact bottomland hardwood and riverine habitats. Approximately 266 average annual acres of bottomland hardwoods, ranging from medium to high quality, will be converted to channel bottom and cleared rights-of-way. Riverine habitats to be affected range from medium to low value for fish and wildlife. Previous channelization and concrete lining, as well as poor water quality, limit the value of the channels for aquatic species.

Project impacts and candidate mitigation plans were evaluated using the acreage of bottomland hardwoods and the Service's Habitat Evaluation Procedures. Impacts from the tentatively selected plan include the loss of 383 average annual habitat units. This loss can be compensated by purchasing and managing existing forested lands adjacent to Bayou Duplantier, from the Stanford Avenue crossing to its confluence with Dawson Creek, or purchasing and reforesting cleared land adjacent to existing parkland located in East Baton Rouge Parish and owned by the Baton Rouge Recreation and Park Commission.

The Service does not oppose project implementation, provided that the following fish and wildlife conservation measures are included in the plan recommended for implementation:

1. To the extent feasible, flood control measures in Blackwater and Beaver Bayous, particularly in the lower reaches, should be limited to minimal clearing and snagging activities.
2. Where sufficient space is available, channel rights-of-way impacted by channel enlargement should be revegetated immediately after construction is completed.

3. Project impacts to fish and wildlife resources should be mitigated by either: a) purchasing and implementing timber stand improvement measures on 319 acres of land adjacent to Bayou Duplantier, from the Stanford Avenue crossing to its confluence with Dawson Creek; or b) purchasing and reforesting 436 acres of open land, in one parcel or scattered tracts, located adjacent to land(s) currently owned by the Baton Rouge Recreation and Park Commission. These lands should be located within floodplain areas with hydrology similar to that of the project channels.
4. Maintenance work conducted on impacted streams should be limited to instream clearing and snagging with hand-held equipment.
5. Prior to initiating any construction activities, the Fish and Wildlife Service (Service) should be consulted regarding threatened and endangered species, particularly the bald eagle, as there is a currently inactive nest in the vicinity of the work area.



# TABLE OF CONTENTS

	<u>PAGE</u>
EXECUTIVE SUMMARY . . . . .	i
TABLE OF CONTENTS . . . . .	iii
INTRODUCTION . . . . .	1
DESCRIPTION OF THE STUDY AREA . . . . .	2
PROJECT DESCRIPTION . . . . .	2
FISH AND WILDLIFE RESOURCES WITHOUT THE PROJECT . . . . .	4
Description of Habitats . . . . .	4
Fishery Resources . . . . .	11
Wildlife Resources . . . . .	11
Endangered Species . . . . .	12
FISH AND WILDLIFE CONCERNS AND PLANNING OBJECTIVES . . . . .	12
EVALUATION METHODOLOGY . . . . .	13
PROJECT IMPACTS . . . . .	13
EVALUATION OF ALTERNATIVE PLANS AND FISH AND WILDLIFE CONSERVATION MEASURES . . . . .	15
SERVICE POSITION AND RECOMMENDATIONS . . . . .	17
LITERATURE CITED . . . . .	19

# LIST OF TABLES

<u>Number</u>		<u>Page</u>
1.	Key aspects of the Tentatively Selected Plan for the Jones Creek watershed . . . . .	5
2.	Key aspects of the Tentatively Selected Plan for the Ward Creek watershed . . . . .	6
3.	Key aspects of the Tentatively Selected Plan for the Bayou Fountain watershed . . . . .	7
4.	Key aspects of the Tentatively Selected Plan for the Blackwater Bayou watershed . . . . .	8
5.	Key aspects of the Tentatively Selected Plan for the Beaver Bayou watershed . . . . .	9
6.	Acres (annualized) of bottomland hardwoods impacted by channel enlargement, clearing and snagging, or concrete lining . . . . .	14
A-1.	Acres (annualized) of bottomland hardwoods impacted by channel enlargement, clearing and snagging, or concrete lining . . . . .	A-2
A-2.	Average annual habitat units under future without-project conditions in all bottomland hardwoods (non-contiguous) on Ward Creek . . . . .	A-5
A-3.	Average annual habitat units under future without-project conditions in all bottomland hardwoods (non-contiguous) on Jones Creek watershed . . . . .	A-6
A-4.	Average annual habitat units under future without-project conditions in all bottomland hardwoods (contiguous) on Beaver Bayou watershed . . . . .	A-7

## LIST OF TABLES

<u>Number</u>	<u>Page</u>
A-5. Average annual habitat units under future without-project conditions in all bottomland hardwoods (contiguous) on Blackwater Bayou watershed . . . .	A-8
A-6. Average annual habitat units under future without-project conditions in all bottomland hardwoods (contiguous) on Bayou Fountain . . . . .	A-9
A-7. Summary of impacts (average annual habitat units) from the Tentatively Selected Plan for all project channels in East Baton Rouge Parish . . . . .	A-10
B-1. Comparison of habitat suitability index values for each species on cleared land(s) proposed for mitigation under future with-management and future without-management conditions . . . . .	B-3
B-2. Comparison of habitat suitability index values for each species on the proposed Bayou Duplantier mitigation site under future without-management and future with-management conditions .	B-4
B-3. Comparison of average annual habitat units for future with-management and future without-management conditions for the Bayou Duplantier and open land mitigation alternatives for the proposed East Baton Rouge, Louisiana, study . . . . .	B-8
B-4. Compensation area (acres) required to fully mitigate project impacts . . . . .	B-9

## LIST OF FIGURES

<u>Number</u>	<u>Page</u>
1. East Baton Rouge Parish flood control study area . .	3

## LIST OF APPENDICES

- A. Habitat Evaluation Procedures Analysis and  
Results . . . . . A-1
- B. Determination of Mitigation Needs and Calculation  
of Benefits from Compensation Lands . . . . . B-1

## INTRODUCTION

This report provides an analysis of the impacts on fish and wildlife resources that would result from implementing the Corps' tentatively selected plan for providing flood control in East Baton Rouge Parish, Louisiana. The Service's position and recommendations to mitigate those impacts are also presented. This document constitutes the report of the Secretary of the Interior as required by Section 2(b) of the Fish and Wildlife Coordination Act (48 Stat. 401, as amended; 16 U.S.C. 661 et seq.).

The original Amite River and Tributaries, Louisiana, Flood Control Project was authorized by Congress in 1955 and completed by the Corps of Engineers (Corps) in 1964. That project provided for enlargement of the Comite River from Cypress Bayou to its mouth, clearing and snagging the Amite River from the Comite River to Bayou Manchac, additional clearing and snagging in other portions of the Amite River Basin, and a diversion channel from the Amite River to Lake Maurepas through Blind River. A resolution adopted on April 14, 1967, by the United States Senate Committee on Public Works directed the Board of Engineers for Rivers and Harbors to review "...whether the existing project should be modified... with...additional improvements for flood control and related purposes, on Amite River, Bayou Manchac, and Comite River, and their tributaries." In response to that resolution, a Preliminary Evaluation Report was prepared by the Corps in May 1972. Four reservoir plans, two diversion plans, and four channel improvement plans were evaluated. All plans were determined to be economically infeasible and the study was placed in an inactive status in February 1974.

Following major floods in the area in 1973, 1977, 1979, and 1983, the Corps prepared the 1984 Amite River and Tributaries Initial Evaluation Report on Flood Control under the authorizing resolution for the previous study. That study recommended further, detailed investigations and suggested separation of the Amite River and Tributaries study into four components: the East Baton Rouge Parish Study, the Comite River Diversion Study, the Livingston Parish Study, and the Ascension and Iberville Parishes Study. The Corps completed the Comite River Diversion Study and has received authorization for construction of that project. Currently, the Corps is conducting feasibility studies for East Baton Rouge, Livingston, and Ascension Parishes.

Fish and wildlife resource conditions for the Amite River and Tributaries area were described in detail in the reconnaissance-level planning-aid report provided by the Service (July 23, 1984). The Service's plan formulation-stage planning-aid report of October 12, 1989, specifically addressed the fish and wildlife resources of the East Baton Rouge Study Area. A draft Fish and Wildlife Coordination Act Report, dated February 1991, addressed the impacts of the previously designated tentatively selected

plans, and described the mitigation required to compensate for those impacts. Since that report was prepared, the Corps has modified the alternatives previously identified for each watershed. In response to those modifications, the Service prepared another draft Fish and Wildlife Coordination Act Report dated September 1993; due to further modification of the alternatives, the Service has prepared this revised draft Fish and Wildlife Coordination Act Report.

#### DESCRIPTION OF THE STUDY AREA

The study area is located in southeastern Louisiana; it is bounded on the west by the Mississippi River, on the east by the Amite River, on the south by Bayou Manchac and on the north by the Parish line. The Amite River and its largest tributary, the Comite River, flow southerly to their confluence at a point east of the City of Baton Rouge (Figure 1). The Amite River then continues southeastward into Lake Maurepas.

The Baton Rouge metropolitan area is the second largest in Louisiana. Industrial growth in and near Baton Rouge has led to expansion of residential and commercial development into the Comite River and Amite River floodplains and their tributary basins. The Amite River floodplain below Denham Springs remains essentially forested, but urban and residential/recreational developments along the Amite River have encroached into the floodplain.

The northern portion of the Amite River Basin is situated on high and intermediate Pleistocene Terrace, the mid-portion on Prairie Pleistocene Terrace (prairie terrace), and the southern portion lies within the Mississippi River Alluvial Valley (Pope 1984). The majority of the proposed project area, located on the prairie terrace which begins at about the northern boundary of East Baton Rouge Parish, is flat and gently slopes towards the south (Sibley 1972). Alluvial floodplains of varying width border the Comite and Amite Rivers and their tributaries within this portion of the Amite Basin. Below its confluence with the Comite River, the Amite River floodplain broadens until it enters the Mississippi River Alluvial Valley south of French Settlement.

#### PROJECT DESCRIPTION

The tentatively selected plan would improve protection from headwater flooding in specific drainages of East Baton Rouge Parish. As Baton Rouge has grown over the last 20 to 30 years, most of the streams, backwaters, and associated bottomland hardwoods in the area have been drained, filled, channelized, or otherwise altered for residential and commercial purposes. Development in upland areas has concurrently shunted more storm water to the remaining wetlands and other low-lying areas. As a consequence of these trends, the channels and remaining bottomlands are overwhelmed by the volume of storm water flowing



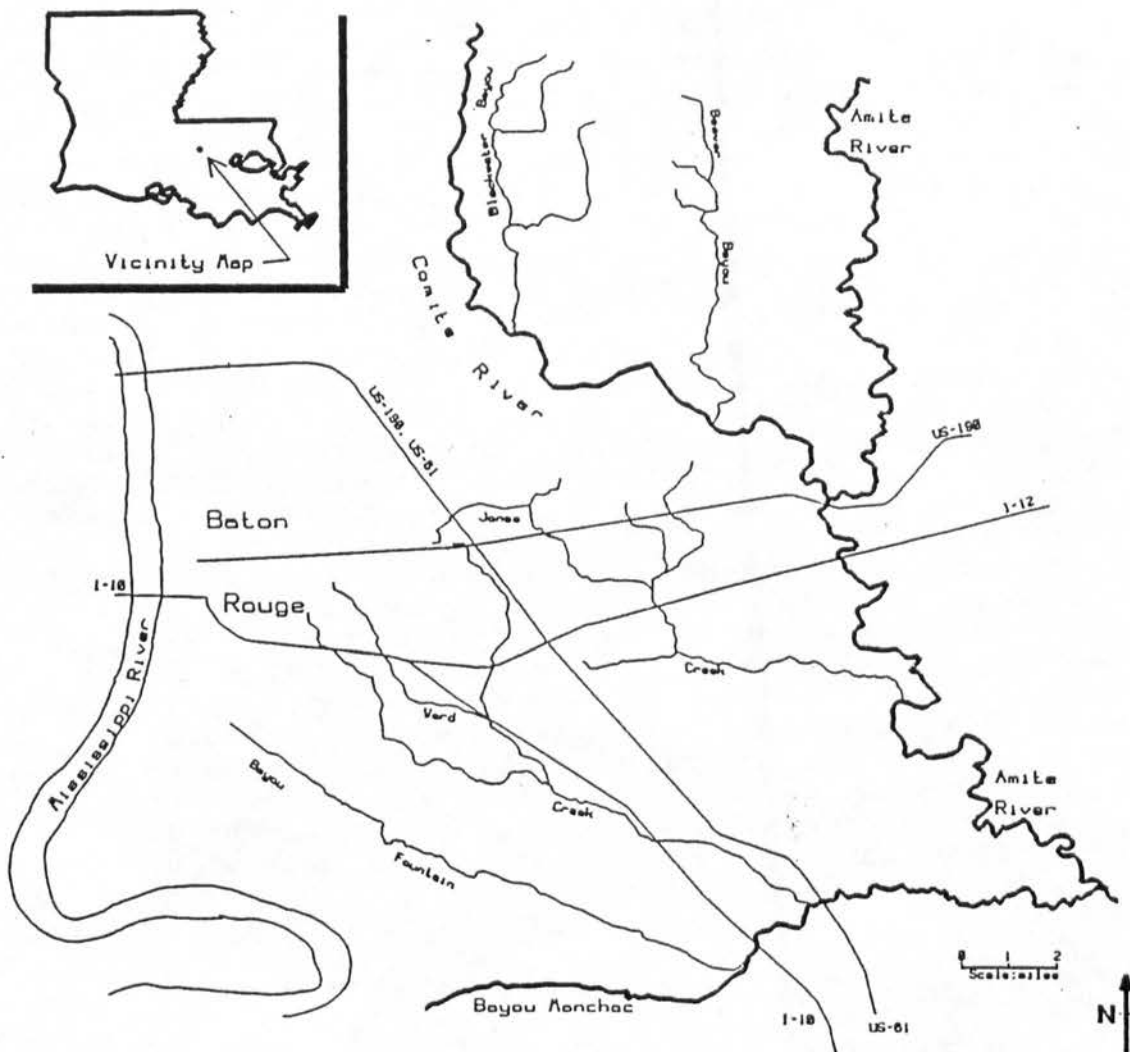


Figure 1. East Baton Rouge Parish flood control study area.

into them; thus, residential areas and other developments are now subject to increased flooding. Flood damages have also increased because development has been inappropriately located in floodplain areas, further reducing the floodwater storage capacity of remaining wetlands.

Structural flood-control plans for the study area have been formulated for individual watersheds. The plans for Jones Creek, Ward Creek, Bayou Fountain, Beaver Bayou, and Blackwater Bayou were determined to be economically feasible. The tentatively selected plan for each watershed includes various combinations of channel enlargement, clearing and snagging, and concrete lining to provide protection from a 10-year to 25-year flood stage (Tables 1-5). According to the Corps, impacts from clearing and snagging will be minimal, with work to be conducted within the channels. Obstructions will be removed, along with any trees or limbs overhanging the channel. The stumps will be left in the bank to reduce erosion. Channel enlargement will involve widening the channel; material dredged from the channel will be deposited at an off-site landfill and in a Mississippi River levee borrow pit located near the project area. Concrete channel lining is proposed in areas where existing development restricts the right-of-way, or, due to highly erosive soils and corresponding slope requirements, the amount of right-of-way necessary to enlarge the channel is cost-prohibitive. The tentatively selected plan is a combination of the 25-year level of protection on Ward Creek and Beaver Bayou and the 10-year level of protection for the remaining watersheds. Regular annual maintenance is proposed for all channels and will consist of spraying herbicides (in accordance with guidelines issued by the Environmental Protection Agency) and spiking fresh-cut tree stumps. Selective clearing and snagging using hand-held equipment will be conducted on all earthen channels within the watershed at 5 to 10-year intervals.

## FISH AND WILDLIFE RESOURCES WITHOUT THE PROJECT

### Description of Habitats

Significant fish and wildlife resource values remain in the East Baton Rouge Parish flood control project study area in spite of urbanization. Surprisingly large tracts and corridors of bottomland hardwood forest and scrub-shrub cover types remain in the watersheds of the study area. The scrub-shrub cover type is actually a successional stage in the re-establishment of bottomland hardwood forest, provided no clearing occurs.

Essentially all of the habitat to be directly affected by the proposed project lies in the riparian zone, i.e., within 300 feet of channel banks. Habitats within the riparian zone include open land (fields, cleared areas), developed land (buildings or other structures), and bottomland hardwoods. The riparian zone provides the same resource values that are provided by bottomland hardwoods, as well as values that intrinsic to riparian areas.

Table 1. Key aspects of the Tentatively Selected Plan for the Jones Creek watershed.

Waterway	Extent of Work	Level of Protection (Years)	Clear and Snag	Concrete Lining
			(Total Miles)	
Jones Creek Mainstem	Amite River- Jones Creek Rd.	10	3.4	0
Jones Creek Mainstem	Jones Creek Rd.- Lobdell Blvd.	10	0	9.0
Weiner Creek	Jones Creek- Cedar Crest Ave.	10	0	2.0
Lively Bayou	Jones Creek- Illinois Central Railroad	10	0	3.3
Lively Bayou Tributary	Lively Bayou- Tams Dr.	10	0	2.0

Table 2. Key aspects of the Tentatively Selected Plan for the Ward Creek watershed.

Waterway	Extent of Work	Level of Protection (Years)	Clear and Snag	Concrete Lining
			(Total Miles)	
Ward Creek Mainstem	Bayou Manchac- College Drive	25	9.2	0
Dawson Creek	Ward Creek- Bayou Duplantier	25	3.7	0
North Branch	Ward Creek- Just downstream of I-12	25	0	1.3

Table 3. Key aspects of the Tentatively Selected Plan for the Bayou Fountain watershed.

Waterway	Extent of Work	Level of Protection (Years)	Clear and Snag	Channel Enlargement
			(Total Miles)	
Bayou Fountain	Bayou Manchac- Seigen Lane	10	4.4	0
	Seigen Lane- Gardere Lane	10	0	2.9
	Gardere Lane- Stoney Creek Ave.	10	0.8	0
	Stoney Creek Ave.- Ben Hur Rd.	10	2.5	0

Table 4. Key aspects of the Tentatively Selected Plan for the Blackwater Bayou watershed.

Waterway	Extent of Work	Level of Protection (Years)	Channel Enlargement
			(Total Miles)
Blackwater Bayou Mainstem	Comite River- LA Hwy 64	10	8.8
Blackwater Tributary #1	Blackwater Bayou McCullough Rd.	10	4.6



Table 5. Key aspects of the Tentatively Selected Plan for the Beaver Bayou watershed.

Waterway	Extent of Work	Level of Protection (Years)	Clear and Snag	Channel Enlargement
			(Total Miles)	
Beaver Bayou Mainstem	Frenchtown Rd.- Hubbs Rd	25	0	7.8

Many small mammals, reptiles, and amphibians are restricted to riparian habitat; in addition, many large animals utilize these areas as travel corridors.

Two classes of bottomland hardwoods were distinguished for analysis of impacts and for mitigation planning. "Contiguous" bottomland hardwoods include forested areas at least 300 feet wide, and located adjacent to the channel. "Non-contiguous" bottomland hardwoods include forested areas less than 300 feet wide. Blackwater Bayou, Beaver Creek, and Bayou Fountain are bordered by contiguous bottomland hardwoods, while Ward Creek and Jones Creek traverse non-contiguous bottomland hardwoods.

Both classes of bottomland hardwoods receive overbank flooding only during extreme storms; flood duration does not exceed a few days, at most. Thus, none of the sample transects established for Habitat Evaluation purposes (see Appendix A) exhibited a reduction of ground cover that could be expected to occur in seasonally flooded bottomlands. Also, the bottomland hardwoods of the study area do not have a significant baldcypress-tupelo gum component, nor do they have significant overflow or backwater areas. However, small, discontinuous ponded areas were noted at 2 transects. Those areas receive and retain storm waters that are trapped behind the spoil left from previous channel enlargement activities.

Channelization effects on the stream banks are most noticeable in the upper reaches of streams passing through urban areas; even so, some shrubs or trees are present along the channel banks or the edge of the berm. As the watercourses flow toward the Amite and Comite Rivers and Bayou Manchac, the banks have recovered substantially from prior stream alterations, and currently provide high value wildlife habitat.

Stream banks above the channel bed support bottomland hardwoods, including sugarberry, American sycamore, sweetgum, boxelder, American elm, and Chinese tallow. Mid-story species in those areas consist of elderberry, boxelder, swamp privet, swamp dogwood, overstory tree saplings, and saplings of oaks and hickories. Ground cover and vines include Virginia creeper, Japanese honeysuckle, Japanese climbing fern, blackberries, poison ivy, peppervine, trumpet creeper, greenbriar, marsh fern, pokeberry, coffeeweed, muscadine, green dragon, jack-in-the-pulpit, sedges, and flatsedges. Mature, mast-bearing trees, or a significant number of large snags, are generally not present in contiguous bottomland hardwoods. However, average overstory tree diameters were relatively high and approached 12 to 18 inches in many stands.

Conditions in the non-contiguous stands were much more variable than in contiguous stands. Transects included shrubby/grassy areas with widely scattered trees; residential backyards with hedgerows and large oak, hickory, or pecan trees, and shrubby, viney, wooded banks adjacent to lawns or fields.

An additional habitat type to be impacted by the proposed project is riverine. Typically, riverine habitats in the project watersheds are relatively straight, steep-banked channels, with a perennial stream in the channel bed. In the lower reaches, the perennial stream is wider and deeper. Vegetation in the channelized stream bed and its steep banks is controlled by herbicides along almost all drainages. Plant species present often included Bermuda grass, Johnson grass, ragweed, alligator weed, barnyard grass, peppervine, trumpet creeper, dewberry, spiderwort, dayflower, and poison ivy.

#### Fishery Resources

Weiner Creek, Lively Bayou, and Lively Bayou tributary, all tributaries of Jones Creek, are the most urbanized drainages; Blackwater Bayou and Bayou Fountain are the least developed. Virtually all the streams in the study area have been altered by dredging/channelization, and water quality is limited.

Water quality varies considerably in watersheds of the study area. Fish kills, primarily of gizzard shad, have been reported in the Ward Creek-Dawson Creek drainage. Dark, sewage-like water was observed in Ward Creek at Bluebonnet Lane. Low levels of dissolved oxygen are thought to be the cause of the die-offs. Conversely, a Service biologist observed bluegills spawning in the clear water of Blackwater Bayou. Small fishes were also observed at several other locations during the Habitat Evaluation Procedures sampling. The presence of fish was also indicated at other sites by groups of egrets and herons foraging in the shallows. While a wide variety of fishes have been reported to occur in the Amite River, Comite River, and Bayou Manchac, species diversity has probably declined in study-area streams upstream from these rivers. No evidence of significant recreational fishing was observed. However, project channels generally contribute to fishery resources in the Amite and Comite Rivers and Bayou Manchac by providing detrital input and nursery habitat.

#### Wildlife Resources

The forested portions of the study area provide habitat for a wide variety of non-game migratory birds. Wooded habitats are usually associated with the streams and drainage channels of the study area. Songbirds find food and shelter in these areas during critical migration periods in fall and spring. Wood ducks occur in portions of the study area during the entire year. Red-shouldered hawks, Mississippi kites, horned owls, barred owls, screech owls, and other raptors nest and forage in forested areas; adjacent scrub-shrub habitats are also used as foraging habitat. Wading birds, such as herons and egrets, forage on small fish in stream channels. Mammals of the study area include raccoon, mink, gray squirrel, fox squirrel, swamp rabbit, and Eastern cottontail. The white-tailed deer and the Eastern wild turkey are less common in the project area than the less urbanized reaches of the Amite River basin.

## Endangered Species

The inflated heelsplitter mussel has been listed by the Service as a threatened species. This species is present in the Amite River at scattered locations within the study area, including the mouth of Jones Creek. Since the work proposed for the lower reach of this watershed is limited to minimal clearing and snagging, the proposed project will not affect the inflated heelsplitter. Should the scope or nature of the work be significantly altered, the Corps should contact the Service for further consultation.

A bald eagle nest is located adjacent to the study area, within a mile of the confluence of Bayou Fountain and Bayou Manchac. The bald eagle is a Federally listed endangered species. Eagles associated with this nesting territory are likely to forage in wetlands in the Bayou Fountain watershed. This particular nest has not been active since the 1990 nesting season; however, the eagle pair may return to the same nest or possibly to the general area. The Corps should contact the Service prior to initiating any of the work proposed within 1 mile of the nest, to determine if the existing nest has been re-occupied.

## FISH AND WILDLIFE CONCERNS AND PLANNING OBJECTIVES

The Service's major resource concerns for the study area include the loss of forested habitats, the placement of spoil material within floodplains, loss of fishery habitat values, and the potential for further inducing floodplain development.

The Corps' December 1984 Initial Evaluation Report on the Amite River and Tributaries Study established several key planning objectives: 1) reduction of flood damages, 2) protection of existing water quality and fish and wildlife resources, and 3) provisions for additional recreational opportunities. The Service's planning objectives for this study are consistent with the Corps' objectives. Service objectives are: 1) select alternatives that minimize impacts on important fish and wildlife habitats, especially bottomland hardwoods, 2) fully mitigate significant, unavoidable losses of fish and wildlife resources onsite, and 3) attempt to maintain floodwater retention capacity within the project area watersheds by reducing additional development within those areas.

## EVALUATION METHODOLOGY

Estimates of project-related habitat losses (acreage) were provided by the Corps and used in the Service's Habitat Evaluation Procedures analysis (Appendix A). That information provided the basis for estimating the acreage of bottomland hardwood reforestation needed to fully mitigate losses. All analyses addressed existing conditions (baseline) and the period from the beginning of construction to the end of the project



economic life (1997-2050). Comparisons of future with- and without-project were conducted to determine project impacts (Appendix A), and to evaluate the adequacy of proposed mitigation measures (Appendix B).

## PROJECT IMPACTS

Implementation of the tentatively selected plan will destroy 266 average annual acres of bottomland hardwoods (contiguous and non-contiguous; Table 6), resulting in the concomitant loss of approximately 383 average annual habitat units over the life of the project (Appendix A). Losses of bottomland hardwoods would result from clearing and snagging, channel enlargement, concrete lining, construction rights-of-way, and construction access roads. Dredged material and other debris will be hauled to landfills or other disposal areas outside of project-channel floodplains, including nearby borrow pits located on the batture of the Mississippi River. Future development rates were calculated for each watershed under future without-project conditions; habitat losses resulting from development were deducted over the project life. An immediate loss of habitat was assumed under future with-project conditions. Acres of habitat in each watershed were then annualized over the project life, under future without-project and future with-project conditions.

Impacts from clearing and snagging work are expected to be minimal, because the work is to be conducted from within the channel. Work will involve the removal of in-stream obstructions and any overhanging limbs. Trees overhanging the channel banks will be removed, but stumps will be left intact to reduce erosion and scour. Impacts associated with channel enlargement vary according to the final bottom width of the channel (5 to 50 feet). Impacts resulting from spoil disposal in landfills and existing borrow pits will be minimal.

Project impacts to fisheries from minimal clearing and snagging activities would include the temporary loss of streamside shading, and removal of instream cover. Activities associated with channel enlargement will result in those same losses, except they will be permanent. In addition, since maintenance is scheduled to occur every 10 years on those channels to be enlarged, recovery of habitat values will be minimal. Therefore, those impacts would be expected to cause a significant reduction in fishery habitat values and a decline in water quality due to higher water temperatures and subsequently reduced dissolved oxygen levels. For channel enlargement and clearing and snagging, impacts to benthos were assumed to be limited to temporary construction impacts (turbidity, smothering, and removal). Concrete lining will result in the permanent loss of virtually all fish habitat value in the impacted channels.

Table 6. Acres (annualized) of bottomland hardwoods directly impacted by channel enlargement, clearing and snagging, or concrete lining.

Project channel	Acres
Ward Creek	20
Jones Creek	69
Beaver Bayou	85
Blackwater Bayou	76
Bayou Fountain	16
Total	266



## EVALUATION OF ALTERNATIVE PLANS AND FISH AND WILDLIFE CONSERVATION MEASURES

The President's Council on Environmental Quality defined the term "mitigation" in the National Environmental Policy Act regulations to include:

(a) avoiding the impact altogether by not taking a certain action or parts of an action; (b) minimizing impacts by limiting the degree or magnitude of the action and its implementation; (c) rectifying the impact by repairing, rehabilitating, or restoring the affected environment; (d) reducing or eliminating the impact over time by preservation and maintenance operations during the life of the action; and (e) compensating for the impact by replacing or providing substitute resources or environments.

The Service supports and adopts this definition of mitigation and considers its specific elements to represent the desirable sequence in the mitigation planning process.

Project-induced impacts could be avoided altogether by selection of a No Action alternative, i.e., foregoing all channel improvement. However, as local interests or the State do not appear ready to implement non-structural flood-control programs within the project area, implementation of the No Action alternative would result in continuing flood damages within East Baton Rouge Parish.

Based on the assumption that flood control is necessary, a substantial portion of the impacts to fish and wildlife resources could be avoided by selection of the least damaging alternative, i.e., minimal clearing and snagging in the lower reaches of Beaver and Blackwater Bayous. Selection of the least damaging alternative is particularly important to reduce impacts to fish habitats near the confluence of these waterways with the Comite River. Fishery losses in these lower reaches will be impossible to mitigate completely.

Opportunities to rectify the impacts of channel enlargement by repairing, rehabilitating, or restoring the adversely affected habitat appear to be minimal. To minimize impacts from construction and maintenance of channel enlargement in Beaver and Blackwater Bayous, all channel maintenance should be performed from the same bank or alternating banks during every maintenance cycle. In addition, the bottomland hardwoods that would be cleared to provide construction access to each channel could be replaced, and even improved over time by planting mast-producing hardwood trees. To benefit foraging woodpeckers, and to provide microhabitat for numerous forest-floor animals and invertebrates, some of the trees cut for construction access should be left on the ground at the edge of the rights-of-way. A maximum spacing of 200 to 500 feet between logs is preferred.

Significant adverse habitat impacts that would remain after the above measures have been implemented should be compensated by a mitigation plan that would involve preservation, restoration, and/or management of existing habitats. The Service's Mitigation Policy (Federal Register, Vol. 46, pp. 7644-7663, January 23, 1981) defines four resource categories used to insure that the level of mitigation recommended will be consistent with the fish and wildlife resource values impacted. The cover types to be affected by the plans under consideration are bottomland hardwoods and riverine habitats. Based on its high value to fish and wildlife resources and the rapid clearing/development rate that has made it scarce on a regional basis, the mitigation goal for bottomland hardwoods is no net loss of in-kind habitat value.

The riverine habitat to be affected by the project has been degraded by previous flood-control activities and therefore, is of moderate to low habitat value for fish and wildlife. The mitigation goal for these habitat types is to minimize loss of habitat value. Project impacts could be minimized by reducing the scope of the work proposed for the lower reaches of Blackwater and Beaver Bayous to minimal clearing and snagging.

In accordance with Service policy, bottomland hardwood losses should be replaced with bottomland hardwood gains. Accordingly, a suitable mitigation plan for losses caused by channel improvements would ideally include restoration and/or management of bottomland hardwoods.

The original mitigation plan chosen for the proposed project involved replanting available channel bank rights-of-way with suitable tree and shrub species. However, based on the early survey work conducted, unstable soils were found on Beaver and Blackwater Bayous, i.e., the two channels proposed for channel enlargement. In order to leave a stable bank after channel enlargement, the bank slope would have to be much more gradual than first anticipated. Thus, the portion of the right-of-way used for actual channel excavation would have to be expanded significantly. As a result, the Corps has determined that mitigation activities cannot be conducted on these particular watershed rights-of-way because there is not enough room for both channel excavation and replanting within the rights-of-way. Project plans call for aesthetic replacement of trees and shrubs along the affected stream banks; however, the width of those plantings make it impractical to quantify potential mitigation benefits.

Bottomland hardwood mitigation requirements could also be fulfilled by purchasing and managing forested land adjacent to a permanent stream, reforesting open land, or a combination of the two. Preferably, open lands used for mitigation would be adjacent to one or more project-area channels, or in another hydrologically similar area. There seems to be little opportunity to replace riverine habitat values (including nursery areas and detrital input for fishery resources) other than by allowing for natural recovery. Streams that are now of little value would be improved by reforestation of riparian zones.

Planted trees will speed recovery of streamside shading (lowering water temperature and increasing dissolved oxygen levels) and the input of detritus (leaves, twigs, and branches).

#### SERVICE POSITION AND RECOMMENDATIONS

The Service does not oppose project implementation, provided that the following fish and wildlife conservation measures are included in the plan recommended for implementation:

1. To the extent feasible, flood control measures in Blackwater and Beaver Bayous, particularly in the lower reaches, should be limited to minimal clearing and snagging activities.
2. Where sufficient space is available, channel rights-of-way impacted by channel enlargement should be revegetated immediately after construction is completed.
3. Project impacts to fish and wildlife resources should be mitigated by either: a) purchasing and implementing timber stand improvement measures on 319 acres of land adjacent to Bayou Duplantier, from the Stanford Avenue crossing to its confluence with Dawson Creek; or b) purchasing and reforesting 436 acres of open land, in one parcel or scattered tracts, located adjacent to land(s) currently owned by the Baton Rouge Recreation and Park Commission. These lands should be located within floodplain areas with hydrology similar to that of the project channels.
4. Maintenance work conducted on impacted streams should be limited to instream clearing and snagging with hand-held equipment.
5. Prior to initiating any construction activities, the Fish and Wildlife Service (Service) should be consulted regarding threatened and endangered species, particularly the bald eagle, as there is a currently inactive nest in the vicinity of the work area.

#### LITERATURE CITED

- Pope, D.E. 1984. Geologic map of Louisiana. Louisiana Geological Survey, Baton Rouge.
- Sibley, J.A., Jr. 1972. A study of the geology of Baton Rouge and surrounding southeast Louisiana area. Claiborne's Publishing Div., Baton Rouge. 358 pp.

EAST BATON ROUGE PARISH, LOUISIANA

FLOOD CONTROL STUDY

APPENDIX A

HABITAT EVALUATION PROCEDURES ANALYSIS AND RESULTS

The Fish and Wildlife Service's (Service) Habitat Evaluation Procedures (Procedures) were developed to document the quality and quantity of available habitat for fish and wildlife species in a given area. Using the Procedures, habitat quality and quantity can be measured for baseline conditions and predicted for future without-project and future with-project conditions. This standardized, species-based methodology allows a numeric comparison of each future condition and hence, provides an estimate of project-induced impacts on fish and wildlife resources. The 1980 version of the Procedures (U.S. Fish and Wildlife Service 1980), which has become the most widely accepted technique for assessing wildlife impacts, was used for this project.

Bottomland hardwoods (i.e., the cover type used in this analysis), were described in the main report. The Corps of Engineers' New Orleans District (Corps) provided the acreage of habitat required for each project channel and level of protection (Table A-1). Based on the current encroachment of development into the watersheds, and the likelihood that the local government would take some type of action to improve drainage, the analysis included a rate of development, by watershed, under future without-project conditions. That development rate was applied to the cover type acreages and the acreages were reduced accordingly. Cover type acreages under future with-project conditions were reduced in accordance with predicted declines of forested habitats attributable to channel excavation and right-of-way clearing. Cover type acreages under future without- and future with-conditions were annualized over the project life.

Species that require important habitat components within bottomland hardwoods were selected as evaluation species. Evaluation species selected were gray squirrel (Allen 1982), North American mink (Allen 1986), and pileated woodpecker (Schroeder 1982) for contiguous bottomlands hardwoods, and gray squirrel, North American mink, and brown thrasher (Cade 1986) for non-contiguous bottomland hardwoods.

The gray squirrel model was selected primarily as a measure of the mast-producing component of the bottomland hardwoods. The gray squirrel model also places a high value on a mature forest canopy. The mink model was used to measure shoreline cover (vegetation and debris), as well as shrub and forest canopy cover. The pileated woodpecker model provides a measure of snag density and stand maturity (number of large trees and number of fallen trees). In non-contiguous stands, the brown thrasher model was used to measure the value of shrub density and ground cover.

The Procedures provide a method for estimating habitat suitability for evaluation elements based on actual field measurements of various parameters that predict relative population density. Field measurements were taken on sample sites within each cover type during the period between July 27, 1989, and May 18, 1990, by a team of biologists representing the



Table A-1. Acres (annualized) of bottomland hardwoods directly impacted by channel enlargement, clearing and snagging, or concrete lining.

Project channel	Acres
Ward Creek	20
Jones Creek	69
Beaver Bayou	85
Blackwater Bayou	76
Bayou Fountain	16
Total	266

Corps, the Louisiana Department of Wildlife and Fisheries, and the Service. A total of 32 sites was sampled; 16 sites each in contiguous and non-contiguous bottomland hardwoods. Details regarding sample site location, individual sample site scores, and related data are on file in the Service's Lafayette, Louisiana, Field Office. Results of the parameter measurements were averaged across all sample sites and mathematically combined to obtain a value between 0.0 and 1.0. This value is termed the habitat suitability index, with 0.0 representing no habitat value for an evaluation species and 1.0 representing optimum habitat value. The habitat suitability index is also linear, with the degree of difference between 0.0 and 0.1 being the same as the degree of difference between 0.9 and 1.0.

Habitat units are the product of the evaluation species' habitat suitability index and the acreage of available habitat at a given target year. The habitat unit is the basic unit of the Procedures for measuring project effects on wildlife. Future habitat units change according to changes in habitat quality (habitat suitability index) and/or quantity (acres); those changes are predicted for various target years over the project life, for future without-project and future with-project conditions. The resulting values are then annualized over the project life to determine the average annual habitat units available for each species. The change (increase or decrease) in average annual habitat units under each future with-project condition, compared to future without-project conditions, provides a quantitative comparison of project impacts that are expected to occur with each project alternative. An increase in average annual habitat units indicates that the project is beneficial to the evaluation species; a decrease in average annual habitat units indicates that the project is damaging to the evaluation species.

Project construction is expected to begin in 1997, and should be complete by 2000. Habitat units were calculated for each year of construction, plus every year of the 50-year project life (through 2053).

Suitability indices were assumed to remain the same as the baseline value for each species. It was assumed in all projections that timbered stands would not be subject to any sort of management or improvement unrelated to the project. Cutting of timber was assumed most likely in the study area for the purpose of development, or some other permanent conversion. A rate of development was established for each watershed, and a corresponding loss of wooded acres was applied throughout the project life under future without-project conditions. Under with-project conditions, the acreage affected by channel enlargement and clearing and snagging activities was assumed to have no value as bottomland hardwoods (Table A-1). Those areas would be converted to channel banks with steep sides, planted to bermuda (or some other) grass, and controlled to prevent invasion by woody species. Habitat acreages in each year of the project life were multiplied by the appropriate habitat suitability

indices to calculate habitat units for each year. Contiguous and non-contiguous bottomland hardwoods were lumped together. The annual habitat units were then averaged to establish average annual habitat units for each evaluation species under the future without- and with-project condition.

The average annual habitat units given in Tables A-2 through A-6 are calculated from the areas permanently lost to project features. The total impacts, summed across species, by project channel are given in Table A-7. The tentatively selected plan would result in a total project-associated loss of 383 average annual habitat units.

Table A-2. Average annual habitat units under future without-project conditions in all bottomland hardwoods (non-contiguous) on Ward Creek watershed.

Evaluation species	Average Annual Habitat Units
gray squirrel	6.45
mink	9.58
brown thrasher	3.12
Total	19.15

Table A-3. Average annual habitat units under future without-project conditions in all bottomland hardwoods (non-contiguous) on Jones Creek watershed.

Evaluation species	Average Annual Habitat Units
gray squirrel	22.71
mink	33.70
brown thrasher	10.99
Total	67.40

Table A-4. Average annual habitat units under future without-project conditions in all bottomland hardwoods (contiguous) on Beaver Bayou watershed.

Evaluation species	Average Annual Habitat Units
gray squirrel	56.02
mink	56.93
pileated woodpecker	29.82
Total	142.77



Table A-5. Average annual habitat units under future without-project conditions in all bottomland hardwoods (contiguous) on Blackwater Bayou watershed.

Evaluation species	Average Annual Habitat Units
gray squirrel	50.17
mink	50.98
pileated woodpecker	26.70
Total	127.85

Table A-6. Average annual habitat units under future without-project conditions in all bottomland hardwoods (contiguous) on Bayou Fountain.

Evaluation species	Average Annual Habitat Units
gray squirrel	10.18
mink	10.34
pileated woodpecker	5.42
Total	25.94

Table A-7. Summary of impacts (average annual habitat units) from the tentatively selected plan for all project channels in East Baton Rouge Parish.

Project Channel	Average Annual Habitat Units
Ward Creek	- 19.15
Jones Creek	- 67.40
Beaver Bayou	-142.77
Blackwater Bayou	-127.85
Bayou Fountain	- 25.94
Total	-383.11

#### LITERATURE CITED

- Allen, A.W. 1982. Habitat suitability index models:  
gray squirrel. U.S. Dept. Int., Fish Wildl. Serv.  
FWS/OBS-82/10.19. 11pp.
- , 1986. Habitat suitability index models: mink,  
revised. U.S. Fish Wildl. Serv. Biol. Rep. 82(10.127).  
23pp.
- Cade, B.S. 1986. Habitat suitability index models: brown  
thrasher. U.S. Fish and Wildl. Serv. Biol. Rep.  
82(10.118). 14pp.
- Schroeder, R.L. 1982. Habitat suitability index models:  
pileated woodpecker. U.S. Dept. Int., Fish Wildl. Serv.  
FWS/OBS-82/10.39. 15pp.
- U.S. Fish Wildl. Serv. 1980. Habitat evaluation procedures  
(HEP). U.S. Fish Wildl. Serv. Div. Ecological Services.  
ESM102

EAST BATON ROUGE PARISH, LOUISIANA, FLOOD CONTROL STUDY

APPENDIX B

DETERMINATION OF MITIGATION NEEDS

AND

CALCULATION OF BENEFITS FROM COMPENSATION LANDS

This appendix addresses restoration, rectification, and compensation measures needed to mitigate the impacts of the channel improvement alternatives recommended for the East Baton Rouge Parish flood control study. Project impacts would occur in bottomland hardwoods adjacent to project channels. Therefore, restoration and compensation measures should involve bottomland hardwood habitat and its associated fish and wildlife values.

Project construction will remove some bottomland hardwoods permanently. Previously, the recommended mitigation plan involved re-planting suitable portions of the impacted waterways. The Corps of Engineers (Corps) has since determined that this mitigation alternative is not feasible, due to increased rights-of-way requirements. Therefore, new mitigation alternatives were identified.

The Fish and Wildlife Service (Service) and the Corps met with representative of the local sponsor (i.e., East Baton Rouge Parish) on November 24, 1992. Sites discussed during this meeting included areas adjacent to existing properties owned and operated by the Baton Rouge Recreation and Park Commission (BREC). Depending on cost and the presence of willing sellers, the mitigation area may consist of one large tract or several smaller tracts. The proposed site(s) will consist of cleared lands located adjacent to land owned and managed by BREC.

Mitigation would entail purchase of the area(s) and reforestation with predominantly mast-producing species. The reforestation plan calls for planting pecan, water oak, willow oak, live oak, and Nuttall oak seedlings. Trees and shrubs would be planted on a 15-foot spacing and would be actively managed for at least 3 years to ensure survival of hard mast-producing species.

Purchase and management of the Bayou Duplantier tract was also proposed at the meeting as a mitigation alternative. This site extends along both banks of Bayou Duplantier, from the Stanford Avenue crossing to the bayou's confluence with Dawson Creek. This area, which consists of approximately 400 wooded acres, is subject to future developmental pressures; those development rates were estimated under future without-mitigation conditions. The area consists of a relatively narrow tract of riparian vegetation. Mitigation benefits would be derived from preservation and timber stand improvement measures. Benefits not quantified include maintenance of flood storage capacity, water quality, and aesthetic values if the area is preserved in a natural state.

Baseline values for the Bayou Duplantier site were measured using the same models (i.e., gray squirrel, mink, and pileated woodpecker) used in the proposed project area. Field work was conducted by representatives of the Service, Louisiana Department of Wildlife and Fisheries, and the Corps on December 3, 1992.



<p><b>Target Years 0 &amp; 1</b></p> <p><u>Cleared Lands:</u></p> <p>No cover exists to benefit either the gray squirrel or pileated woodpecker. Cover may exist for the mink; however, it was assumed that permanent water would not be present, thereby limiting the suitability index. Plantings have been completed during the dormant season, and plantings consist primarily of a hard mast mixture, with small pockets of rapidly-growing soft mast species, in order to maximize the area's value to pileated woodpecker.</p>	<p><u>Bayou Duplantier:</u></p> <p>The area has been purchased and timber stand improvement (TSI) measures are underway. Due to the lack of hard mast, the area provides no value to gray squirrel. The value of the area to the pileated woodpecker is also low, since the stand consists of mid-successional riparian vegetation, and does not contain adequately sized snags and live trees. TSI measures will consist of selectively cutting and girdling the existing stand of trees to increase snag density, and planting of hard mast species. Selective cutting will open the understory, and allowing newly-planted hard mast trees to grow, and will continue on a 10-year rotational basis. Baseline conditions for the mink are high and will remain so throughout the project life.</p>
<p><b>Target Year 10</b></p> <p><u>Cleared Lands:</u></p> <p>Mink is the only evaluation species for which habitat value is present; that value will remain low for the life of the project due to the lack of permanent water on any of the sites inspected.</p>	<p><u>Bayou Duplantier:</u></p> <p>Moderate values are attained for gray squirrel and pileated woodpecker due to the diversity of hard mast species planted, the existing canopy cover, and the TSI measures which resulted in an increase in snag density.</p>
<p><b>Target Year 25</b></p> <p><u>Cleared Lands:</u></p> <p>Mast-producing trees have begun to bear fruit; soft mast trees with more rapid growth rates are providing habitat for the pileated woodpecker.</p>	<p><u>Bayou Duplantier:</u></p> <p>Hard mast species planted at years 0 and 1 have begun producing fruit and a greater percentage of the canopy cover is now composed of hard mast species. The size of snags and live trees has also increased; thus, the value of the area to gray squirrel and pileated woodpecker is increasing.</p>

**Target Year 50**

Cleared Lands:

Mast production has peaked, ample cavities and snags are available, and a multi-layered forest is well-established with re-generation of the shade-tolerant species progressing well. Habitat suitability for the gray squirrel and pileated woodpecker has peaked; however, the mink habitat suitability remains low due to an assumed lack of permanent water.

Bayou Duplantier:

Mast production has peaked, snag and cavities are present, and habitat suitability for gray squirrel and pileated woodpecker has peaked.

Field measurements and calculations are on file with the Service's Lafayette, Louisiana, Field Office.

Predicted habitat suitability indices for both mitigation alternatives, under future with-mitigation and without-mitigation conditions, are presented in Tables B-1 and B-2. Predicted indices for the mitigation areas were based on the following projections of the habitat suitability index model variables.

The Service's mitigation goal for scarce and high-value habitats such as bottomland hardwoods is no net loss of in-kind habitat value. The ideal compensation plan would provide an increase in habitat units equal in magnitude to the habitat unit losses. When deemed appropriate, a gain of one habitat unit for any evaluation species can be used to offset the loss of one habitat unit for any impacted species. A mathematical expression of this goal is:

$$\sum_{i=1}^n M_i + \sum_{i=1}^m I_i = 0$$

where M = average annual habitat units gained through mitigation for a target species,

I = average annual habitat unit losses (due to project impacts) for same species,

i = species number,

n = total number of evaluation species, and

m = total number of impact species.

This goal of equal replacement was chosen to allow mitigation of brown thrasher habitat losses with pileated woodpecker habitat gains, and vice versa. The optimum mitigation area is derived by the following formula:

$$\text{Compensation area} = -A \left( \frac{\sum_{i=1}^n I_i}{\sum_{i=1}^m M_i} \right)$$

where M, I, i, n, and m conform to their usage above, and A = size of candidate mitigation area.

The candidate mitigation areas (A) used in the above formula are listed in Table B-3. Impact-related average annual habitat units (I) from Tables A-3 through A-7 (Appendix A) were divided by the

Table B-1. Comparison of habitat suitability index values for each species on cleared land(s) proposed for mitigation site under future with-management and future without-management conditions.

Evaluation Species	Target Year	Habitat Suitability Index	
		Future-without Management	Future-with Management
gray squirrel	0	0	0
	1	0	0
	10	0	0
	25	0	.68
	50	0	.88
mink	0	.15	.15
	1	.15	.15
	10	.15	.15
	25	.15	.15
	50	.15	.15
pileated woodpecker	0	0	0
	1	0	0
	10	0	0
	25	0	.45
	50	0	.90
brown thrasher	0	.01	.01
	1	.01	.01
	10	.01	.75
	25	.01	.31
	50	.01	.15

Table B-2. Comparison of habitat suitability index values for each species on the proposed Bayou Duplantier mitigation site under future without-management and future with-management conditions.

Evaluation Species	Target Years	Habitat Suitability Index	
		Future-Without Management	Future-With Management
gray squirrel	0	0.0	0.0
	1	0.0	0.0
	10	0.0	0.32
	25	0.0	0.80
	50	0.0	0.85
mink	0	0.88	0.88
	1	0.88	0.88
	10	0.88	0.88
	25	0.88	0.88
	50	0.88	0.88
pileated woodpecker	0	0.0	0.00
	1	0.0	0.00
	10	0.0	0.42
	25	0.0	0.79
	50	0.0	1.00
brown thrasher	0	0.42	0.42
	1	0.42	0.42
	10	0.42	0.81
	25	0.42	0.42
	50	0.42	0.16

Table B-3. Comparison of average annual habitat units for future with-management and future without-management conditions for the Bayou Duplantier and open land mitigation alternatives for the proposed East Baton Rouge, Louisiana, project.

Species	Reforested Open Land (436 Acres)			Bayou Duplantier (319 Acres)		
	Future Without Mgmt.	Future With Mgmt.	Change	Future Without Mgmt.	Future With Mgmt.	Change
gray squirrel	0	246.00	+246.00	0	304.65	+304.65
mink	75.00	75.00	0	381.16	440.00	+ 58.84
pileated woodpecker	0	202.50	+202.50	0	333.40	+333.40
brown thrasher	5.00	171.30	+166.30	181.92	224.30	+ 42.38
Total			+614.80			+739.27



corresponding average annual habitat units generated by either mitigation plan (M) (Table B-3). This ratio (I/M) multiplied by -A yields the total area required for reforestation to mitigate bottomland hardwood impacts (Table B-4).

The tentatively selected plan for each project channel would require the purchase and reforestation of 436 acres of cleared land(s) located adjacent to an existing BREC facility. Preservation (via purchase) and management of the Bayou Duplantier site would require 319 acres to mitigate for the tentatively selected plan.

Table B-4. Compensation area (acres) required to fully mitigate project impacts.

Project Channel	Mitigation Alternative	
	Cleared Open Land	Bayou Duplantier
Ward Creek	23.20	23.61
Jones Creek	81.74	83.10
Beaver Bayou	159.16	102.43
Blackwater Bayou	142.53	91.73
Bayou Fountain	28.92	18.60
Total	435.55	319.47

## APPENDIX G CULTURAL RESOURCES CORRESPONDENCE



Buddy Roemer  
Governor

Paul Hardy  
Lieutenant Governor  
and Commissioner

**State of Louisiana**  
**Department of Culture, Recreation and Tourism**  
**OFFICE OF CULTURAL DEVELOPMENT**

Henry A. Truxillo  
Secretary

Leslie P. Tassin, Sr.  
Assistant Secretary

March 9, 1990

Mr. R.H. Schroeder, Jr.  
Acting Chief, Planning Division  
Department of the Army  
New Orleans District  
Corps of Engineers  
P.O. Box 60267  
New Orleans, LA 70160-0267

Re: Draft Report  
Literature Search and Research Design  
Amite River and Tributaries Project  
Ascension, East Baton Rouge, and  
Livingston Parishes, Louisiana

Dear Mr. Schroeder:

Reference is made to your letter dated January 12, 1990, transmitting two copies of the above report. We have completed our review and have the following comments to offer.

We found the archival and literature search very thorough. The limited field investigations conducted as part of the initial phase of this project have established the level of survey effort which will be necessary for the various components of this large and complex project once all or part of it is approved for construction. We look forward to working with your agency during the future stages of this project.

Specific comments we have regarding the report are as follows:

In the Abstract or Introduction, please give a figure for the approximate number of acres surveyed.

Page 4 - the Addison site (16EBR27) is omitted.

Page 50, 1st paragraph - Hardee 1871 - not in bibliography.

Kathleen M. Byrd, Ph.D., Director  
Division of Archaeology  
P.O. Box 44247 (900 Riverside North)  
Baton Rouge, LA 70804  
(504) 342-8170

Mr. R.H. Schroeder, Jr.  
March 9, 1990  
Page 2

Page 97ff, Chapter 7 - suggest placing Figure 11 before Table 6.

Page 98ff, Table 6, Areas 1, 10, 39, 40, and 64 - why were these non-sites tested when they were outside the impact area, while an archaeological site recorded during the survey in the impact area (16AN50) was not tested?

Page 158 - in the second paragraph of the discussion of Henderson Bayou, it is stated that "One historic site was recorded." On the next page, it is stated that "Because of its apparent recency, the site was not recorded . . ."

Page 172, 1st paragraph - the reference to the La Tourrette map should be Figure 5 rather than Figure 4.

Page 173, 2nd paragraph - ". . . additional information was obtained at one histoirc site, Galveztown (16AN39) . . ." A site update form, reflecting this information, should be submitted.

Thank you for the opportunity to comment on this report. Should you have any questions concerning our comments, please contact Mr. Duke Rivet in the Division of Archaeology at (504) 342-8170.

Sincerely,



Leslie P. Tassin  
State Historic Preservation Officer

LPT:PGR:s

cc: Mr. Stephen Hinks  
R. Christopher Goodwin & Associates, Inc.

February 19, 1993

Planning Division  
Environmental Analysis Branch

Ms. Gerri Hobdy  
State Historic Preservation Officer  
Department of Culture, Recreation, and Tourism  
Office of Cultural Development  
P.O. Box 44247  
Baton Rouge, Louisiana 70804

Dear Ms. Hobdy:

Please reference our letter dated February 21, 1991, transferring two copies of the final report entitled Literature Search and Research Design, Amite River and Tributaries Project Ascension, East Baton Rouge, and Livingston Parishes, Louisiana (Goodwin et al. 1990). Reference also a field trip conducted on November 14, 1991, attended by Mr. James M. Wojtala from this office and Mr. Philip Rivet from your office.

We are currently preparing a study report to determine the feasibility of providing flood control measures for East Baton Rouge Parish, Louisiana. This study is being conducted as part of the Amite River and Tributaries, Louisiana, study under which, the above referenced report was completed. Flood control measures are being considered for each of the following watersheds: 1) Bayou Fountain, 2) Jones Creek, 3) Beaver Bayou, 4) Blackwater Bayou, and 5) Ward Creek. Detailed descriptions of the work proposed for each of these five watersheds are provided as an enclosure. As indicated in the enclosure, anticipated improvements will consist of clearing and snagging, channel widening and lining, or combinations of these alternatives.

The data for assessing potential project impacts to cultural resources was provided by Goodwin et al. (1990) and the above referenced field trip. These efforts were conducted to support management decisions and recommendations for the treatment of cultural resources provided below.

#### Bayou Fountain

The proposed project will consist of approximately 11 miles of channel designed to convey a 10-year storm event within stream bank. Improvements to Bayou Fountain are proposed from the



There are three archeological sites recorded within the limits of the project area: 16EBR13, 16EBR26, and 16EBR27. Site 16EBR13 is located in the downstream portion of Jones Creek. Plans for clearing and snagging for this segment should not adversely affect the site. The Palmar site (16EBR26) is described as a prehistoric midden, that may have been redeposited with other dredged material during previous channel maintenance. The site could be impacted by channel widening which is planned on Lively Bayou. Both 16EBR13 and 16EBR26 have not been assessed in terms of their National Register significance. Previous channel improvements appear to have impacted both sites and they are not expected to possess the quality of significance necessary for inclusion on the National Register. The Addison Site (16EBR27), was reported destroyed by highway construction by Goodwin et al. (1990). Therefore, no further work is required at this site.

Investigations conducted by Goodwin et al. (1990) indicated that channel maintenance or modification has impacted virtually all of the project area. Therefore, we conclude that no further surveys are required. We will attempt to identify and assess potential project impacts to sites 16EBR13 and 16EBR26 if they are within the project right-of-way. These efforts will be conducted during the design phase of the project and the results of these investigations will be coordinated with your office.

#### Beaver Bayou and Tributaries

The proposed plan for Beaver Bayou and tributaries #1 and #2 consists of widening approximately 15 miles of channel to convey a 25-year storm event within the stream bank.

Cultural resources investigations were previously conducted in the project area by Bryant (1985). Two potentially significant sites were recorded as a result of the survey. The Biltmore Site (16EBR66), represents the remains of a prehistoric campsite dating from the Paleo-Indian or Early Archaic period. Shanks Cemetery was reported to contain approximately 30 grave markers with dates ranging from the 1870s to the 1930s. Only a portion of the cemetery is thought to be located within the project boundaries. Previous channel maintenance or modifications are expected to have impacted 16EBR66 and Shanks Cemetery. Efforts will be made to determine the National Register eligibility and assess the project impacts to each of these sites.

Cultural resources investigations will be undertaken within portions of the project not previously surveyed. The survey will include the area on Beaver Bayou from Hooper to Hubbs Roads and on Tributary #2 from its confluence with Beaver Bayou to 5,000 feet upstream from Devall Road. The investigations conducted by Goodwin et al. (1990) indicate that the project area has a low probability for containing archeological sites and no significant

Mr. jtala/bhd/2552  
(AMITE)

-5-

We ask that you provide us your comments regarding the project within 45 days of your receipt of this letter. Please contact Mr. James M. Wojtala (504) 862-2552 at this office if you require further assistance regarding this matter.

Sincerely,

R. H. Schroeder, Jr.  
Chief, Planning Division

Enclosure



Edwin W. Edwards  
Governor

Mark H. Hilzlim  
Secretary

Melinda Schwegmann  
Lieutenant Governor  
and Commissioner

State of Louisiana  
Department of Culture, Recreation and Tourism  
OFFICE OF CULTURAL DEVELOPMENT

Gerri Hobdy  
Assistant Secretary

March 24, 1993

Mr. R.H. Schroeder, Jr.  
Chief, Planning Division  
Department of the Army  
New Orleans District  
Corps of Engineers  
P.O. Box 60267  
New Orleans, LA 70160-0267

Re: Amite River and Tributaries,  
Louisiana Study  
East Baton Rouge Parish, LA

Dear Mr. Schroeder:

Reference is made to your letter dated February 19, 1993, concerning the above. We have reviewed your plans relative to proposed cultural resources investigations in the Bayou Fountain, Jones Creek and Tributaries, Lively Bayou, Weiner Creek, Beaver Bayou and Tributaries, and Ward Creek and Tributaries drainages and have no objections regarding the method you plan to employ to investigate cultural resources along these drainages.

If we can be of further assistance in this project, please contact Mr. Duke Rivet in the Division of Archaeology at (504) 342-8170.

Sincerely,

Gerri Hobdy  
State Historic Preservation Officer

GH:PR:s